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# NUMBERS & ODDITIES #
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-::: N&O #18 :::-

Hello, welcome to the 18th edition of N&O. What's on the menu this time? I have a revised version of last month's M40 list. Intelligence news and a profile of the Albanian intelligence agencies are these month's sepcials. On request, I have put Mike's huge Russian Man list on the N&O website in Access97 format. There are two 'Memory Lane' station profiles this month, S25 and G20.

-o-o-o-o-o-o-o-o-o-o-

* VOICE STATIONS *

::: SOUTH KOREAN VOICE STATIONS

Following the Korean report in N&O 16, I received a massive schedule of the South Korean stations from Toru Yamashita and Igor Buhtiyarov. Thanks a million guys!

- Callsigns:

The South Korean agents/recipients have a numerical or geographical id, e.g. "Moran-bong", No.3825, No.3250, No.5335 and so on.

Geographical id's noted so far are:

Moran-bong, Shingo-san, Cheongcheon-gang, Tuman-gang

"Bong" means hill or mountain, "san" means mountain, and "gang" means river. Mt. Moran-bong is located in Pyongyang; Mt. Shingo-san (unknown); Cheongcheon-gang is a Korean river; as is Tuman-gang.

- Schedules:

Day	UTC	frequency
---	----	-----
1	1400	6215
	1600	5715 or 4900
2	1400	6215
3	1600	5715 or 4900

4	1400	6215
	1600	5550 or 4500
5	1500	6215
	1600	5550 or 4500
6	1200	6215
	1600	5715
	1700	4600
7	1600	5450 or 6330
8	1600	5450 or 6330
9	1330	6215
	1400	5715
	1530	6215
	1600	5450
10	1430	5550
	1400	5715
	1500	6215
	1530	6215
	2114	4940
11	1400	6215
	1430	5550
	1500	6215
	1530	5715
12	1400	6215
	1530	5715
13	nill	
14	1500	4500 or 5550
	1600	4500 or 5550 or 5715
	1630	5715
15	1400	5715
	1500	4500 or 5550
	1600	4500 or 5550 or 5715
	1630	5715
16	1400	5715
17	1400	5715
	1500	6215
	1600	5715 or 4900
18	1400	6215
19	1400	6215
	1500	6215
	1600	5715 or 4900
20	1430	5550
	1600	5715
21	1430	5550
	1600	5715
22	1600	5450
23	1600	5715
24	1400	5715
25	1400	5715

	1400	5715
	1600	5450
26	1500	6215
	1530	5715
27	1400	6215
	1500	6215
	1530	5715
28	1530	6215
	1600	6330
	1630	5715
29	1400	5715
	1630	5715
30	1400	5715
	1600	5715
31	1600	5715

Infrequently also on 6715 kHz at various times. 0500, 0900, 1100, 1330, 1400, 1500, 1600, 2100, 2200, 2300 UTC noted.

Infrequently also on 5850 kHz at various times. 0300, 0500, 0900, 1000, 1300, 1400, 1500, 2100 UTC noted.

::: THREE NOTE ODDITY [G04]

Monthly analysis by Hans-Friedrich Dumrese

02.09.99 2005Z 5.320 kHz
2035Z 5.320 kHz

Message : 95458 75212 96660 42158 32014 95458 75458 99258 63212 78549
91548 96545 75458 30212 78545 99874 36212 45200 42199 74548
39256 78952 66545 32125 95455

= 25 groups

Analysis: Frequent groups: 75458 2x
95548 2x

First two figures :	30212	Last three figures:	32014
	32014		32125
	125		42158
	36212		42199
	39256		45200
	42158		30212
	199		36 2
	45200		63
	63212		75
	66545		39256

74548		99258
75212		95455
458	2x	75458 2x
78545		95 2x
549		66545
952		78
91548		96
95455		74548
458	2x	91
96545		78549
660		96660
99258		99874
874		78952

History: see earlier N&O's for the pre-1999 period

Summer 2005 2035

Winter 2105 2135

01/99 3415 3315 02/99 3905 3805

03/99 4520 4420 04/99 5310 5210

05/99 5570 5470 06/99 5720 5620

07/99 5680 5580 08/99 5730 5630

09/99 5320 5220

Attention: G04 changes on the first Sunday OR THURSDAY of the month.

::: RUSSIAN MAN CONTROL [S25] * MEMORY LANE *
Using Mike's list, Hans-Friedrich brewed up this analysis.

Note that S25 is no longer active.

Schedules: 04/94 0800 14720
06/94 0800 14890
switched : 12/94 0800 14890
0820 11270
06/99 end of the transmissions

Nearly all 5F groups start and end with the same figure,
i.e. Freq 1 615 95115 615 92675
Freq 2 615 97635 615 90035

Scheme of the groups: 0xxx2
0xxx8
2xxx9
4xxx7
6xxx1
6xxx6

7xxx3 (only 1 group, typo?)
7xxx4
8xxx0
8xxx3
9xxx3 (only 1 group, typo?)
9xxx5

Some stutter groups (11111) (S25A), some single groups (S25C)

::: CZECH STATION

The Czech weekend station was heard on 11 Sept at 1645 UTC on 2136 kHz. No reports for 1122 kHz.

Attention listeners in and around the Czech Republic,
can you please try to figure out the exact schedules?
I have a poor recording of the station and would
appreciate a better copy. Anyone please?

::: SPRUCH [G20]

* MEMORY LANE *

One of the most unusual stations of the past was 'the Spruch', a German language station that used a number of different pieces of music as interval signals, each song belonged to a 'Spruchnummer', which was most probably the agent's id.

Spruchnummer 1 - Schubert Serenade
Spruchnummer 2 - a saxophone piece (don't know the title)
Spruchnummer 3 - Brahms Waltz
Spruchnummer 4 - Mexican Hat Dance
Spruchnummer 5 - Atlantis by the Shadows
Spruchnummer 7 - We Get Ideas by Louis Armstrong
Spruchnummer 10 - Bach's Toccata in D minor
Spruchnummer 17 - Red Balloon by The Dave Clark Five

Message format:

Achtung, Spruchnummer 1, Gruppenzahl 42, Zeit 60900, Achtung Spruch Geht, followed by 42 5FG's, followed by "Ende Ende".

The time (Zeit) was a date/time group. 60900 = the 6th, 0900 hours Central European Time

-o-o-o-o-o-o-o-o-o-o-

* MORSE STATIONS *

::: M40/M53

Last month I published the M40/M53 list that Igor sent me. It

seems that I misimprented his e-mail. Forget what was published last month, folks. Here is the revised version. Thanks Igor!

Enigma code: M40 (ex M53)

Mode : Morse

Origin : North Korea

Schedules : 10620 kHz at 0800 and 2000 UTC. Audible in Europe.
Lots of others noted in S.E.Asia (see hereafter)

Format : CQ XXX.YYY transmitted at the start only. When the message is repeated only the second group (after the dot) is transmitted: CQ YYY.

XXX is probably the recipient and YYY the decode key.

Example:

vvv vvv vvv cq 747.343 cq 747.343 cq 747.343

hr hr 46 46 = = 71841 8t146 47834..... (46 fg)... ar ar

rpt rpt

vvv cq 343 cq 343 cq 343

hr hr 46 46 = = 71841 8t146 47834..... (46 fg)... ar ar

sk sk

callup	UTC	freq.
-----	-----	-----
cq 627.555	17.30	3600
cq 550.440	14.30	4100
cq xxx.9412	16.30	4172
cq xxx.121	13.12	4177
cq xxx.5141	16.36	4188
cq xxx.4772	16.38	4191
cq xxx.243	13.06	4461
cq 88.504	16.00	4495
cq 989.741	14.00	4597
cq xxx.935	15.00	4600
cq 01.927	15.30	4650
cq 515.839	13.30	4730
cq 550.315	08.30	5100
cq xxx.080	13.00	5366
cq xxx.529	14.24	5533
cq xxx.101	12.00	5533
cq xxx.706	14.50	5535
cq 000.962	09.15	5580
cq xxx.119	20.12	5599
cq 550.880	08.15	5745
cq 613.316	14.00	5750
cq xxx.1188	16.30	6428
cq xxx.953	16.00	6730
cq xxx.706	14.40	6734
cq xxx.684	15.39	6839

cq 515.909	12.00	6848
cq 429.510	17.30	6900
cq 863.359	15.30	7400
cq 600.640	09.30	7600
cq xxx.339	15.30	7651
cq xxx.022	18.30	7652
cq xxx.639	12.00	7711
cq 428.628	09.30	8100
cq 515.577	18.00	8119
cq 515.715	21.30	8119
cq xxx.340	08.11	8150
cq xxx.624	00.38	8200
cq 747.524	16.00	8231
cq 747.719	17.00	8231
cq 747.750.016	20.00	8231
cq 747.750	20.00	8233
cq 747.599	17.00	8235
cq 747.932	10.32	8235
cq 747.343	13.30	8756
cq 747.343	08.30	8756
cq 542.466	09.00	8825
cq xxx.302	17.08	8851
cq 627.815	17.30	9200
cq xxx.466	15.06	9400
cq 838.612	07.00	9827
cq 515.459	09.30	9947
cq 838.019	09.00	10108
cq 515.397	07.00	10242
cq xxx.077	09.32	10260
cq xxx.171	08.00	10301
cq 747.384	20.01	10621
cq 515.905	22.30	10994
cq 515.344	09.30	12161
cq 516.699	14.30	12420
cq 516.155	13.30	12540
cq 600.450	00.00	12800
cq 931.977	16.30	13000
cq 516.159	22.30	13254
cq 260.655	13.30	13850
cq 542.446	12.30	18310
cq 542.469	10.30	19300

'xxx' means that the transmission was in progress and only the decode key was heard.

::: A2A [M63]

A2A is still on 5807 and 6763 at 0500 UTC. The out-stations are replying on 4753 kHz. A2A is also active with its normal callup

sequence at 1100 UTC.

::: M76

M76 is still on the air, but not audible here in Western Europe. It was reported on 3293 kHz from Slovakia where the signal was very poor.

::: UNID station

Igor copied two unid morse stations on duplex frequency 13407 kHz, on 22-08-99, 0849 UTC. Speed: 60 wpm hand keyed. They used the following set of cut numbers: RWLGKSNATM. I guess that this is a military setup, Igor.

1: sender

2: recipient

1: ...rasla rasla wrgms wrgms kk

2: kk

1: rr = = mk as as as

2: as as = a8 a8 maf gr gr 43 43 kk

1: 1v = 1t(----)h gr gr 5t 4t4t kk

2: qsl qsl kk

1: = = mkgaw mkgaw tnlsgr tnlsgr srmt srmt swkma swkma mmsng mmsng
mmuww mmuww swwwn swwwn smtml smtml wlmtt wlmtt wntgw wntgw ttwta
ttwta rtlta rtlta glslt glslt rgtna rgtna ngmna ngmna gmgtm gmgtm
lskgm lskgm lskkw lskkw mrmks mrmks tsmmg tsmmg ttnnm ttnnm tdsww
tdsww rasla rasla wrgms wrgms ar ar qsl qsl kk

2: = gr gr 34 34 kk

1: rr gr gr 43 43 = mkgaw mkgaw kk

2: gr gr 34 34 kk

1: aa aa nnn

2: gr gr 34 34 kk

1: rr gr gr 34 34 kk = rmakm rmakm qsl kk

2: qsl qsl kk

1: rr qru qru ar ar ii

2: qru qru ar ar ii

1: ii

2: ee

::: HEP [M28]

Kantonspolizei Zuerich, callsign HEP, is apparently no longer on shortwave. The station hasn't been heard since May this year.

Freqs and callsigns:

3314 kHz HEP3

5266.5 kHz HEP5

6871 kHz HEP7

9186 kHz HEP9

::: ALF's REPORT

Alf from Central Europe is apparently active again. Here are a number of his findings. I have been looking for a couple of them for quite a while (VLDR, DPQT, M21) and thought that they went down the drain, but Alf logged them very recently. It has been a while, Alf. Welcome back! I think that the majority of your unids are Eastern European military stations. Note that the new NATO countries and other PfP countries -Russia excepted- are using CET nowadays.

-> M21

5141.5 kHz Russ.AF/Air Defence, RUS: 2225 CW mkr:
=99T225??8?????, time T225 = 0225 -> is UTC+4h
5195.0 kHz Russ. AF/Air Defence, RUS: 1520 CW mkr:
=99192T??8?????, UTC+4h.

UTC +4 is Moscow Summer Time

-> M51

5223.0 kHz French Intell.?, F: 1140 CW 5LGS,
header: BT NR 76 S 10 13:40:06 1999 BT
5336.0 kHz French Intell. ?, F: 1553 CW 5 LGS, header:
'BT NR 04 S 15 17:53:35 1999 BT ', using also CEST

-> VLDR/DPQT

5254.0 kHz VLDR: CZE? 1531 CW 5 LGS
without 'special' morse characters,
end: '=VLDR K', cfm-tfc: QRU?, GA K
VLDR: unid, CZE? 1141 CW 5 LGS,
cfm-tfc: RPT GR23 K, VLDR R7 K

VLDR is a of often active static Call! Czech I
think, operator ? Military ? <yes, Military -Ary->

5258.0 kHz DPQT: CZE: 1019 CW 5 FGS long zeros, cfm-tfc

same as the VLDR station

-> M04 ?

5749.0 kHz 1303 CW marker: ' LOLO LOLO LOLO / 14090 ',
1305z 5FGS, using long zeros. <could this be M04? -Ary->

-> UNIDS

5091.5 kHz unid: 2204z CW mkr: '242',
2204z 2x5 FGS, w/short zeros.

5231.0 kHz SNJ3: unid Central European: 0732 CW
'DE SNJ3 QTC 29 20 10 0932 =', and 5 LGS,

end: '=SNJ3 K'
10: Date, 0932: is Central European Summer Time!
into (duplex?) cfm-tfc, e.g. grp-rpt: 'JABHZ K'

Central European Summer Time means NO RUSSIANS FOR SURE !!

5289.0 kHz WWVC: unid 1535 CW
clg/wkg VPOG, OIZE, YTD4 etc. w/'RK'-ra/chks

5319.0 kHz F8DL: unid Central European 0901 CW
'NJ2P DE F8DL QTC 16 20 7 1101 =' into 5 LGS (no special characters),
1101: Central European Summer Time,
7: Date, end with: '.... + NJ2P DE F8DL QTC +',
next msg at 0905z '... QTC 17 20 7 1105=' into 5 FGS.
From CZE/POL?
unid: 0709 CW '... QTC 2 20 10 0908 = ' into 5 FGS
with long zeros, 1005z VVVV's.
See 5859 kHz for same header-styled msgs with CEST also.

Central European Summer Time, so FOR SURE NO RUSSIANS
Using long zeros, not T for 0 !!
Which CE military is using this kind of CW operation?

5321.0 kHz GRXZ: unid 1032 CW to NJ2P,
'NJ2P DE GRXZ QTA FOR HZ4V COL QTA FOR HZ4V',
'... FOR E3XC FOR E3XC = 417 015 989 905 719 715 RPT QLN
COL 417 ... 715 RPT QLN + '
' ... FOR HZ4V FOR HZ4V = 417 015 959 985 715 719 RPT QLN
COL 417 ... 719 RPT QLN + ' and s/off,
much to strong to be fm CIS.
unid: 0918 CW 5 FGS, long Zeros, end: ' + '
D7CM: unid 1130 CW mixed 5 LGS/FGS to NJ2P,
without special characters, header:
'QTC 7 20 17 1334 = ',
1334: Central European Time. !!

see above !! many many nets now using CEST, long zeros
and without special (cyrrill/etc.) morse characters.
How also is operating such style?? new-NATO countries?
Military ? MOI ? SPY ??
<Czech or Polish mil perhaps? -Ary->

5372.0 kHz ABMK: unid 1457 CW
wkg many 4-graphs w/'RK'-styled ra/checks

5859.0 kHz W8F2: unid C'European 0818 CW slow machine/tape gave
constantly a channel-markler 'K4SX' (is receiver of msg)

msg at 0831z:
'K4SX DE W8F2 QTC 8 20 10 1031 = 202 K4SX =', 20 5LGS,
msg repeated. Back into the slow 'K4SX'-marker.
8: QTC/Msg-Nr., 20: msg of 20 grps, 10: Date,
1031: CEST/Central European Summer Time !!!
nxt msg 0852z: '... QTC 9 20 10 1052 = 202 K4SX =', 5 LGS.

Between K4SX-msg:
' SV3J SV3J SV3J DE W8F2 W8F2 QWX9 COL QWX9+ ' &
'I6DH I6DH I6DH DE W8F2 W8F2 QWX 11 COL QWX 11 + '

See 5319 kHz for same header-styled msgs with CEST also.
Any comments ???

6847.0 kHz QBC7: unid 1036 CW clg/wkg many 4-graphs fr QSA?, duplex ?

5402.0 kHz L9CC: unid 1842 CW w/calling marker.
This one (L9CC) is very mystic one !!! active since years,
only (?) with a calling taped marker. Operator???? CIS???

5476.0 kHz S6C4: unid CW 0855 5LGS
without special morse characters, end: '= S6C4 +', header:
' MTRD (x3) DE S6C4 (x2) QTC 6 20 17 1055 = 794 MTRD = ',
17 1055: Date and Central European Summer Time, CW was
handkeyed, msgs are transmitted two times, with a slow
cont. given channel-marker 'MTRD' in between.
See 5859 kHz. Any comments ?!?!?!?

-o-o-o-o-o-o-o-o-o-o-

★ VARIOUS MODES ★

::: XPH
Bruce Allen <bruceallen@home.com> analysed two XPH transmissions.
Here is what he found:

Tones: 305, 321, 337, 355, 371, 387, 403, 436, 452, 468, 484, 499, 512

321 and 499 are used with 305 and 512 to provide synch before Hi Speed
Data (HSD). 305 is used as a break character in HSD.

My arbitrary assignments are
305 = Break
321 = break' (break prime)
337 = 0
355 = 1
371 = 2
387 = 3

403 = 4
419 = 5
436 = 6
452 = 7
468 = 8
484 = 9
499 = a'
512 = A

Using this schema with 'Break' symbolized by the - sign Spooky.ra
breaks out like this:

Low Speed Data
1-149-149-149-1-

synch for HSD = a'A a'A a'A a'A a'A a'A a'A a'A a' Break break'
Break break' Break break' Break break' Break break' Break break'
Break break' Break break' Break break' Break break' Break break'

High Speed Data=
03814-1A2A4-08491-13854-06101-96529-8A2A2-9A657-857A5-51292-07675-6

I suspect that the clip ends before the actual end of TX

The XPH file sent to me by Ary breaks out:

Low Speed Data:
645-0A0
645-645-645-0A0
645-645-645-0A0
645-645-645-0A0
645-645-645-0A0
645-645-645-0A0
645-645-645-0A0
645-645-645-0A0

Synch for HSD"
10 a'A pairs
10 Breaks sent in a row
10 Break break pairs

HSD:
1A1A1A1A1A1A1A1A1A1A

TX ends.

I Would be interested to see if other XPH recordings vary.

<Bruce Allen>

::: FAPSI INTERCEPTS [M42]

Freq.	UTC	c/s	to	link
-----	-----	----	---	-----
11460	1621		URO	60047
15943	1256		NOB	70004
16257	0835	URS	RJA	90051
16295	0820		DZR	00149
18172	0835	RJA	URS	90051
22917	0740		RPR	10042

note c/s RPA as mentioned in a previous N&O is a typo and should read RJA.

On 12 September, Geoff Halligey copied two unid stations, one of them was using callsign DPU. The callup was in CW followed by a 75bd RTTY message. This looks like a FAPSI station although I am not sure about it. Anyone?

11412 kHz at 1056 UTC CW clg DPU DPU hand sent, then QSY 12157 QSA5
12157 kHz at 1058 UTC CW "QSA4 QTC1", "K" fm DPU, then msg in
5-number groups Baudot 75 bd, but frequently reverting
to QWERTYUIOP letters. <this also regularly happens when
I copy FAPSI stations - Ary>. Then "R OK VA" fm DPU.

Jim Dunnett provided a sample of a FAPSI message. Those of you who are not familiar with these RTTY stations and want to learn more about them may want to download the N&O #00 files from the N&O home page at <http://home.luna.nl/~ary>

Example:

The callup sequence is either in RTTY '4646464646 NOB NOB' etc, or in morse.

11177 70004 08556 17156 02889

culyo itmrv ujjoj lujgy jypyx bddih keufd vaews hwmhe qprug
hmaqv sfjyt yomvx aahvx nlybk amnuk iwuar
[287 groups]

11177 70004 31561 17157 02439

dbqck lkjpp lxymx fphyx hvflq tugpf griye suvsh wvfuz tnzuj
xgiit iwuto
[242 groups]

after qso wrk qpp cfm?
after qso wrk qpp
asm

[Morse]

QHN ASM AS CFM NOT OK OK AS SEE QOB

[back to rtty]

op qpp sa after qso wrk qpp
pse as hr sa op1
not
ok
as see

ryryryryryry
qru
om u will work qpp?
ok
ih
asm
qru tks gb sk

-0-0-0-0-0-0-0-0-0-0-

* AGENCY PROFILE: ALBANIAN INTELLIGENCE *

The Albanian defense forces consist of the following branches: Army, Navy, Air and Air Defense Forces, Interior Ministry Troops, and Border Guards. The major administrative divisions serve all services. These divisions include the political, personnel, intelligence/counterintelligence directorates; the military prosecutor's office; and the medical services.

During the period of communist rule from 1944 to 1991, Albania was the most closed and isolated society in Europe. This situation began to change drastically in 1991, in part because of the efforts of the Albanian Democratic Party, which advocated restructuring the security organs and purging officials who had repressed the population under Hoxha and Alia. In early 1992, officials responsible for preventing or investigating crime were disorganized as a result of political changes in the country and were unsure how to operate effectively. Organizational change in the police and security forces, initiated by the communist dominated coalition government, also inhibited their effectiveness at least for a time.

In Hoxha's last years, the Directorate of State Security (Drejtoria e Sigurimit te Shtetit -Sigurimi-), increased its political power. After Hoxha's death, Alia was apparently unable or unwilling to maintain the totalitarian system of terror and repression that Hoxha had employed to maintain his grip on the party and the country. Alia relaxed the most overt Stalinist controls over the population and instructed the internal security structure to use more subtle, bureaucratic-authoritarian mechanisms characteristic of the post-Stalin Soviet Union and East European regimes. He allowed greater contact with the outside world, including eased travel restrictions for Albanians, although the Sigurimi demanded bribes equivalent to six months' salary for the average Albanian to obtain the documents needed for a passport. More foreigners were allowed to visit Albania, and they reported a generally more relaxed atmosphere among the population as well as a less repressive political and antireligious climate. The dramatic collapse of communist rule in Eastern Europe in 1989 apparently had a devastating effect on the internal social and political situation in Albania despite Alia's efforts to contain it. Massive demonstrations against communist rule followed by liberalization and democratization in Eastern Europe began to affect Albania in 1990. The power of the security police was successfully challenged by massive numbers of largely unorganized demonstrators demanding reforms and democratic elections.

- Security Forces

Until April 1991, all security and police forces were responsible to the Ministry of Internal Affairs, which also exercised authority over the judicial system and the implementation and enforcement of the country's laws.

Each security or police organization (the Sigurimi, the Frontier Guards, and the People's Police) constituted a separate directorate within the ministry; each had a larger proportion of personnel who were party members than the armed forces because of the need for political reliability. In the Sigurimi, for example, nearly all serving personnel were believed to be party members. In the Frontier Guards and People's Police, all officers and many other personnel were party members.

The Sigurimi were the security police forces. Organized to protect the party and government system, these forces were responsible for suppressing deviation from communist ideology and for investigating serious crimes on a national scale. Frontier Guards, as their name implied, maintained the security of state borders. The People's Police were the local or municipal police.

In July 1991, the communist-dominated legislature abolished the Sigurimi and established a new National Information Service (NIS/SHIK)

in its place. It was unclear to Western observers to what extent the new organization would be different from its predecessor because at least some of its personnel probably had served in the Sigurimi. Only former Sigurimi leaders were excluded from the new NIS.

- Directorate of State Security

The Directorate of State Security, or Sigurimi, which was abolished in July 1991 and replaced by the NIS, celebrated March 20, 1943, as its founding day.

The Sigurimi was organized into sections covering political control, censorship, public records, prison camps, internal security troops, physical security, counterespionage, and foreign intelligence. The political control section's primary function was monitoring the ideological correctness of party members and other citizens. It was responsible for purging the party, government, military, and its own apparatus of individuals closely associated with Yugoslavia, the Soviet Union, or China after Albania broke from successive alliances with each of those countries. One estimate indicated that at least 170 communist party Politburo or Central Committee members were executed as a result of the Sigurimi's investigations. The political control section was also involved in an extensive program of monitoring private telephone conversations. The censorship section operated within the press, radio, newspapers, and other communications media as well as within cultural societies, schools, and other organizations.

- Frontier Guards

In 1989 the Frontier Guards included about 7,000 troops organized into battalion-sized formations. Although organized strictly along military lines, the Frontier Guards were subordinate to the Ministry of Internal Affairs until its abolition in April 1991 when they were subordinated to the Ministry of People's Defense. The mission of the Frontier Guards was to protect state borders and to prevent criminals, smugglers, or other infiltrators from crossing them. In the process, they were also charged with stopping Albanians from leaving the country illegally. They were effective in enforcing its closed borders, although some Albanians still managed to escape. During the period of Albania's greatest isolation from its neighbors, the lack of open border crossing points simplified border control. For example, in 1985 Albania opened its first border crossing point with Greece, fourteen years after it had reestablished diplomatic relations with Athens. In 1990, however the Frontier Guards were increasingly less able to prevent illegal crossings by well-armed citizens, who frequently sought refuge in Greece and Yugoslavia.

- People's Police

In 1989, the People's Police had five branches:

Police for Economic Objectives

The Police for Economic Objectives served as a guard force for state buildings, factories, construction projects, and similar enterprises.

Communications Police

The Communications Police guarded Albania's lines of communication including bridges, railroads, and the telephone and telegraph network.

Fire Police

Firefighting was also considered a police function and was carried out by the Fire Police.

Detention Police

The Detention Police served as prison and labor camp guards.

General Police.

The General Police corresponded to the local or municipal police in other countries and attended to traffic regulation and criminal investigations.

Source: Library of Congress Country Studies

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* INTELLIGENCE NEWS *

::: SPY GRANNY

87-year-old Melita Norwood, code name Hola, reportedly had access to British atomic secrets through her office job at the British Non-Ferrous Metals Research Association, which was involved in metallurgical research associated with the bomb project, The Times said.

Mrs Norwood said to The Times: 'In the same circumstances, I know that I would do the same thing again.'

The extent of Mrs. Norwood's access to British secrets has not been determined. 'It wasn't much,' she told The Times.

Hola was recruited in 1937. The Times claims her reports to the communists accelerated the development of Soviet nuclear weapons immediately after World War II.

::: KGB TRANSMITTERS FOUND IN BRUSSELS

Belgian authorities, tipped off by the British secret service, have discovered three caches with KGB radio transmitter equipment buried in the woods outside the capital.

It was unclear when the equipment had been dug in, but it was most

likely during the height of the Cold War. The Soviet spy agency's equipment was found three to six feet underground. One cache was discovered close to Leuven, the second north of Brussels, and the third in the woods of Halle, all ca 15 km from Brussels.

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★ NuMorse MORSE TUTOR ★

During the past months several people asked for a morse tutor. When you search the Internet, you will find lots of morse tutors. Many of them are probably good, you'll have to try them for yourself. One of the finest tutors I came accross is NuMorse 1.40, a US\$ 29.00 shareware program that can be downloaded from the NuMorse home page at

<http://guest.btinternet.com/~tony.lacy/NuMorse/>

There is also a free 'light' version of the program available.

NuMorse 1.40 features:

- All alphanumeric characters plus all other special characters like +[AR] /[DN] *[SK] =[BT] are available. Many other prosigns can be set up to map to keyboard characters.
- Play random characters or play from file, keyboard or QSO generator.
- NuMorse can "correct" your work using speech phonetics via a sound card.
- NuMorse gathers detailed performance statistics. Use them to automatically adjust code settings.
- Several endurance speedup modes.
- Log files record code output as well as your typed responses, cut & paste to/from word processors.
- Character filter options and random number weighting.
- Drive an external code oscillator generator via printer or any port.
- Control NuMorse speed automatically from a file.
- Minimum character speed 5 WPM, minimum text speed 3.2 WPM.
- A visual semaphore.
- Response time thermometer.
- Entering the NuMorse access code will remove the 10 WPM code speed limit and NuMorse will then be able to send code at up to 48 wpm.

I have no time to write a product review right now. So if someone feels like he/she wants to write a review, please feel free to do so and send me a copy for this column.

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★ LOG SECTION ★

1735.0	E10	Repeating message, CI02.	AM	18/09/1999 Sat	1045	(DS)
2136.0		Czech station.	USB	24/09/1999 Fri	0700	(AB)
2136.0	S??	9-tone callup, and message read by a YL. 50 to 59 New station	AM	11/09/1999 Sat	1645	(ANUK)
2136.0	S??	Tones then count 50 to 59	AM	12/09/1999 Sun	1645	(ANUK)
2136.0	S??	Tones Count 50 to 59	AM	19/09/1999 Sun	1645	(ANUK)
2136.0	S17?	9 tone call up, then 50-59. End after 5 min transmission.	SSB	05/09/1999 Sun	1645	(L)
2567.0	M51	NR 22 // 4039	CW	14/09/1999 Tue	2158	(VM)
2844.0	E10	YHF 12 YGRGH	USB	01/09/1999 Wed	2200	(GG)
2844.0	E10	YHF 8 ZGFRT	USB	25/09/1999 Sat	0000	(GG)
3150.0	E10	PCD	USB	23/09/1999 Thu	2300	(GG)
3150.0	E10	PCD	USB	23/09/1999 Thu	2330	(GG)
3195.0	R	Russian Navy Ustinov.	CW	21/09/1999 Tue	2207	(AB)
3245.0	V02a	A 95542 45223 29833	AM	26/09/1999 Sun	0200	(JM4)
3270.0	E10a	VLB2	USB	23/09/1999 Thu	0145	(GG)
3292.0	V02a	in progress	AM	07/09/1999 Tue	0200	(JM4)
3292.0	V02a	A 18462 05201 44893	AM	14/09/1999 Tue	0200	(JM4)
3292.0	V02a	A 95541 05202 29_23	AM	21/09/1999 Tue	0200	(JM4)
3322.0	R	Russian Navy Ustinov.	CW	21/09/1999 Tue	2208	(AB)
3389.0	V02a	unreadable due to QRN	AM	14/09/1999 Tue	0100	(JM4)
3410.0	M17	70298 35 35 =	CW	01/09/1999 Wed	1900	(ANUK)
3410.0	M17	70579 22 22 =	CW	08/09/1999 Wed	1900	(ANUK)
3410.0	M17	71467 48 48 =	CW	15/09/1999 Wed	1900	(ANUK)
3410.0	M17	70289 28 28 =	CW	22/09/1999 Wed	1900	(ANUK)
3410.0	M17	70289 28 28 =	CW	29/09/1999 Wed	1900	(ANUK)
3415.0	E10	ART 81 PRWVW	USB	01/09/1999 Wed	2200	(GG)
3415.0	E10	ART	USB	21/09/1999 Tue	2100	(GG)
3415.0	E10	ART 25 WYVKI	USB	23/09/1999 Thu	2330	(GG)
3415.0	E10	ART 96 SWTFN	USB	27/09/1999 Mon	0130	(GG)
3415.0	E10a	ART2	USB	21/09/1999 Tue	2230	(GG)
3464.4	XP	New spurious emission?	USB	08/09/1999 Wed	0828	(RP)
3485.0	E10a	SYN2	USB	23/09/1999 Thu	2248	(GG)
3485.0	E10a	SYN2	USB	23/09/1999 Thu	0145	(GG)
3712.0	M13	In progress	CW	21/09/1999 Tue	2303	(VM)
3756.0	XP	The Pip. Weaker than usual.	USB	08/09/1999 Wed	0828	(RP)

3757.0	M51	NR 07	// 5224	CW	15/09/1999	Wed	0544	(VM)
3757.0	M51	NR 39	// 5224	CW	16/09/1999	Thu	0452	(VM)
3771.0	M51	NR 03	// 5243	CW	27/09/1999	Mon	1955	(VM)
3771.0	M51	NR 47	// 5243	CW	28/09/1999	Tue	2011	(VM)
3771.0	M51	NR 35	// 5243	CW	30/09/1999	Thu	1947	(VM)
3800.0	M51	NR 53		CW	20/09/1999	Mon	2236	(VM)
3800.0	M51	NR 07		CW	23/09/1999	Thu	2339	(VM)
3800.0	M51	NR 61	// 4447	CW	27/09/1999	Mon	0553	(VM)
3800.0	M51	NR 01	// 4447	CW	28/09/1999	Tue	0504	(VM)
3800.0	M51	NR 04	// 4447	CW	30/09/1999	Thu	0618	(VM)
3819.0	M76	3vxu De Htqg Qtc		CW	22/09/1999	Wed	1750	(ANUK)
		12 21 =						
3840	E10	YHF2, //	4560		05/09/1999	Sun	1930	(HFD)
3840.0	E10	YHF 12	YGRGH	USB	01/09/1999	Wed	2200	(GG)
3840.0	E10	YHF 12	YGRGH	USB	02/09/1999	Thu	2200	(GG)
3840.0	E10	YHF 58	IyFQI	USB	12/09/1999	Sun	0000	(GG)
3840.0	E10	YHF ?8	?FLRC	USB	15/09/1999	Wed	2300	(GG)
3840.0	E10	YHF 76	FLGLH	USB	21/09/1999	Tue	2230	(GG)
3840.0	E10	Israeli Intel.		AM	21/09/1999	Tue	2200	(AB)
		ISR, YHF and messages.						
3840.0	E10	YHF 98	WLFRC	USB	23/09/1999	Thu	2300	(GG)
3840.0	E10	YHF 5	IWDBY	USB	24/09/1999	Fri	0000	(GG)
3840.0	E10	YHF		USB	25/09/1999	Sat	2100	(GG)
3840.0	E10	YHF 79	RWWYG	USB	25/09/1999	Sat	2200	(GG)
3840.0	E10	YHF 8	ZGFRT	USB	25/09/1999	Sat	0000	(GG)
3840.0	E10	YHF 55	0??QJ	USB	27/09/1999	Mon	1930	(GG)
3927.0	V02a	A 95542	45223	AM	26/09/1999	Sun	0100	(JM4)
		29823						
3940	E10	KPA2, //	5170		18/09/1999	Sat	2215	(HFD)
4014.0	M03	035/00		CW	13/09/1999	Mon	0630	(ANUK)
4014.0	M03	035/00		CW	20/09/1999	Mon	0630	(ANUK)
4015.0	S11	971/00	Note	USB	15/09/1999	Wed	2100	(ANUK)
		change of frequency						
4016.5	M08a	in progress		CW	02/09/1999	Thu	0200	(JM4)
4016.5	M08a	In progress		CW	18/09/1999	Sat	0300	(GH)
4027.5	M08a	in progress		CW	14/09/1999	Tue	0300	(JM4)
4028.0		Repetition of		AM	10/09/1999	Fri	0220	(SKY)
		numbers in spanish, primarily, "ocho"						
4028.0	V02a	Atencion 89071		AM	09/09/1999	Thu	0700	(GH)
		67382 32322; nearly inaud.						
4028.0	V02a	In prog; _____		AM	09/09/1999	Thu	0608	(GH)
		67382 32322, 3 finals						
4028.0	V02a	Atencion 89072		AM	12/09/1999	Sun	0600	(GH)
		67383 32323						
4028.0	V02a	Atencion 70602		AM	19/09/1999	Sun	0600	(GH)
		41423 72033; "opp						
		opp opp" noise						
4028.0	V02a	In prog; gone by		AM	20/09/1999	Mon	0632	(GH)

		:45					
4031.0	M51	NR 79	CW	06/09/1999	Mon	1952	(VM)
4031.0	M51	NR 66 // 6981	CW	07/09/1999	Tue	2334	(VM)
4031.0	M51	NR 39	CW	09/09/1999	Thu	2153	(VM)
4039.0	M51	NR 22 // 2567	CW	14/09/1999	Tue	2158	(VM)
4039.0	M51	NR 87	CW	16/09/1999	Thu	2003	(VM)
4039.0	M51	NR 08	CW	17/09/1999	Fri	0632	(VM)
4040.0	M14	362x3 00000	CW	16/09/1999	Thu	2315	(VM)
4130	E15	m ??? QRU		07/09/1999	Tue	2100	(HFD)
4174.0	V02a	In prog; _____ 41422 72032, 3 finals	AM	16/09/1999	Thu	0707	(GH)
4180.0	M03	287 00 Repeat daily	CW	22/09/1999	Wed	1630	(ANUK)
4270	E10	PCD2		05/09/1999	Sun	1900	(HFD)
4270.0	E10	PCD 54 SNWZ?	USB	21/09/1999	Tue	2230	(GG)
4270.0	E10	PCD	USB	23/09/1999	Thu	2300	(GG)
4270.0	E10	PCD 43 IJINL	USB	24/09/1999	Fri	0030	(GG)
		(heavy WX QRM+RTTY QRN)					
4270.0	E10	PCD 2 msgs: ???	USB	25/09/1999	Sat	0000	(GG)
		?????/62 WKAOX					
4270.0	E10	PCD 2 msgs: ???	USB	25/09/1999	Sat	0000	(GG)
		?????/62 WKAOX					
4325.0	R	Russian Navy	CW	21/09/1999	Tue	2117	(AB)
		Ustinov.					
4327.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0004	(LB)
		with "Hello, Hello, Hello"					
4327.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0414	(LB)
		with "Hello, Hello, Hello"					
4328.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0004	(LB)
		with "Hello, Hello, Hello"					
4328.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0414	(LB)
		with "Hello, Hello, Hello"					
4329.0	V02a	Atencion 79331	AM	01/09/1999	Wed	0400	(GH)
		13431 01814					
4329.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0414	(LB)
		with "Hello, Hello, Hello"					
4329.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0004	(LB)
		with "Hello, Hello, Hello"					
4329.0	V02a	In prog; _____	AM	15/09/1999	Wed	0403	(GH)
		90331 26502, 3 finals					
4329.0	V02a	A 88891 16121	AM	22/09/1999	Wed	0400	(JM4)
		26503					
4330.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0414	(LB)
		with "Hello, Hello, Hello"					
4330.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0004	(LB)
		with "Hello, Hello, Hello"					
4331.0	V02a	Broadcast ended	AM	08/09/1999	Wed	0004	(LB)
		with "Hello, Hello, Hello"					

4331.0	V02a	Broadcast ended AM with "Hello, Hello, Hello"	08/09/1999 Wed	0414	(LB)
4360.0	E10a	VLB2 USB	21/09/1999 Tue	2245	(GG)
4360.0	E10a	VLB2 USB	23/09/1999 Thu	0145	(GG)
4447.0	M51	NR 61 // 3800 CW	27/09/1999 Mon	0553	(VM)
4447.0	M51	NR 01 // 3800 CW	28/09/1999 Tue	0504	(VM)
4447.0	M51	NR 04 // 3800 CW	30/09/1999 Thu	0618	(VM)
4454.0	S21	454 349 349 46 46 AM = = L 08045	21/09/1999 Tue	1842	(ANUK)
4454.0	S21	454 349 349 46 46 AM = = L 05045	23/09/1999 Thu	1842	(ANUK)
4461.0	E10	FTJ weak USB	01/09/1999 Wed	0300	(JM4)
4461.0	E10	FTJ USB	02/09/1999 Thu	0300	(JM4)
4461.0	E10	FTJ extremely weak USB	14/09/1999 Tue	0300	(JM4)
4461.0	E10	Very weak, into USB 5LG	15/09/1999 Wed	0300	(GH)
4461.0	E10	FTJ 15 HUVLW USB	15/09/1999 Wed	0300	(GG)
4461.0	E10	FTJ 56 MPVBG USB	16/09/1999 Thu	0100	(GG)
4461.0	E10	FTJ weak USB	22/09/1999 Wed	0300	(JM4)
4461.0	E10	FTJ USB	23/09/1999 Thu	2300	(GG)
4461.0	E10	FTJ 13 JZDEG USB	27/09/1999 Mon	0100	(GG)
4461.0	E10	FTJ (42)YMXVT USB	30/09/1999 Thu	0300	(JM4)
4461.0	E10a	FTJ2 USB	01/09/1999 Wed	2200	(GG)
4461.0	E10a	FTJ2 USB	02/09/1999 Thu	2200	(GG)
4461.0	E10a	FTJ2 USB	12/09/1999 Sun	0000	(GG)
4461.0	E10a	FTJ2 USB	16/09/1999 Thu	0000	(GG)
4461.0	E10a	FTJ2 USB	25/09/1999 Sat	0000	(GG)
4463	E10	FTJ	03/09/1999 Fri	1900	(HFD)
4463.0	E10	Israeli Intel. AM FTJE.	21/09/1999 Tue	2200	(AB)
4463.0	E10	FTJ USB	21/09/1999 Tue	2230	(GG)
4478.5	M08a	Poss. MMWDA ARWMD CW DMUAA	18/09/1999 Sat	0300	(GH)
4479.0	V02a	In prog; 3 AM finals, not // to 10446	01/09/1999 Wed	0322	(GH)
4479.0	V02a	Atencion 79333 AM 90331 26502, 3 finals (At + 3 digits at 0250)	15/09/1999 Wed	0300	(GH)
4485.0	M14A	263 740 88 CW 263 109 55	22/09/1999 Wed	1900	(ANUK)
4490.0	M14A	263 154 80 263 CW 798 62	06/09/1999 Mon	1900	(ANUK)
4490.0	M14A	263 470 91 263 CW 189 50	13/09/1999 Mon	1900	(ANUK)
4490.0	M14A	263 895 71 263 CW 914 70	20/09/1999 Mon	1900	(ANUK)
4490.0	M14A	263 541 97 263 CW 108 45	27/09/1999 Mon	1900	(ANUK)
4491.0	M14A	263 109 72 263 CW	08/09/1999 Wed	1900	(ANUK)

		548 70 T 142				
4506.3	M08a	Poss. WWIND TDTGD CW	15/09/1999	Wed	0300	(GH)
		GTAAD				
4506.5	M08a	rptg AMARD IUDNN CW	02/09/1999	Thu	0100	(JM4)
		WRNDN				
4506.5	M08a	in progress CW	09/09/1999	Thu	0100	(JM4)
4506.5	M08a	In prog; poss. CW	17/09/1999	Fri	0409	(GH)
		----- NAIUN -----				
4506.5	M08a	in progress CW	19/09/1999	Sun	0300	(JM4)
4506.5	M08a	in progress CW	22/09/1999	Wed	0300	(JM4)
4508.5	M08a	In prog CW	01/09/1999	Wed	0322	(GH)
4535.0	M13	378 = 215 20 = CW	18/09/1999	Sat	2100	(ANUK)
4535.0	M13	378 = 215 20 = CW	20/09/1999	Mon	2100	(ANUK)
4560	E10	YHF	03/09/1999	Fri	1930	(HFD)
4560	E10	YHF2, //3840	05/09/1999	Sun	1930	(HFD)
4560.0	E10	YHF USB	21/09/1999	Tue	2100	(GG)
4560.0	E10	YHF 76 FLGLH USB	21/09/1999	Tue	2230	(GG)
4560.0	E10	YHF 98 WLFRC USB	23/09/1999	Thu	2300	(GG)
4560.0	E10	YHF USB	23/09/1999	Thu	2330	(GG)
4560.0	E10a	YHF2 USB	28/09/1999	Tue	1630	(GG)
4575.0	E05	Up with test USB	01/09/1999	Wed	0000	(JM4)
		tones.				
4575.0	E05	YL/EE, test USB	06/09/1999	Mon	0000	(DX)
		message w/3/2 (5FGS}				
4575.0	E05	test broadcast in AM	08/09/1999	Wed	2300	(JM4)
		progress 123/45 234/56...				
4575.0	E05	test broadcast AM	13/09/1999	Mon	2300	(JM4)
		rptg 591 Count 215 123/45				
4575.0	E05	*TEST* rptg 591 AM	17/09/1999	Fri	2300	(JM4)
		Count 215 123/45...				
4575.0	E05	YL/EE Counting AM	17/09/1999	Fri	2349	(TS)
		station w/ 3/2F groups				
4597.5	M51	NR 01 CW	01/09/1999	Wed	1927	(VM)
4597.5	M51	NR 88 // 5905 CW	07/09/1999	Tue	0609	(VM)
4597.5	M51	NR 34 // 5905 CW	08/09/1999	Wed	0538	(VM)
4597.5	M51	NR 29 // 5905 CW	10/09/1999	Fri	0614	(VM)
4605.0	M14A	560 142 86 560 CW	03/09/1999	Fri	1900	(ANUK)
		328 55				
4613.0	M01B	136 756 756 43 CW	22/09/1999	Wed	2110	(ANUK)
		43 = =				
4619	G07	359 1, 8045 103,	06/09/1999	Mon	2050	(HFD)
		55887 02058 61455				
4620.0	G07	IP Call missed AM	06/09/1999	Mon	2057	(ANUK)
4620.0	G07	359x3 1 8496 217 AM	20/09/1999	Mon	2112	(ANUK)
4620.0	G07	359x3 1 8496 217 AM	27/09/1999	Mon	2110	(ANUK)
4620.0	M14A	560 214 89 560 CW	10/09/1999	Fri	1900	(ANUK)
		387 51				

4620.0	M14A	560 127 93 560 397 48	CW	17/09/1999 Fri	1900	(ANUK)
4628.0	M51	NR 37 // 5190	CW	21/09/1999 Tue	0624	(VM)
4640.0	E05	Rptg 589 count 113, //5046	AM	17/09/1999 Fri	0000	(GH)
4640.0	E05	Rptg 589 count 113; gone by :32, //5046	AM	18/09/1999 Sat	0000	(GH)
4640.0	E05	//5046 rptg 589 , USB count 13.		19/09/1999 Sun	0000	(JM4)
4640.0	E05	//5046 rptg 589 Count 113	AM	20/09/1999 Mon	0000	(JM4)
4640.0	E05	//5046 rptg 589 Count 113	AM	22/09/1999 Wed	0000	(JM4)
4640.0	E05	//5046 rptg 589 Count 113	AM	23/09/1999 Thu	0000	(JM4)
4640.0	E05	//5046 rptg 589 Count 113	AM	24/09/1999 Fri	0000	(JM4)
4640.0	E05	//5046, also on 10616 with 12345 test.	USB	29/09/1999 Wed	0000	(BR)
4640.0	E05	//5046 rptg 115 Count 137	AM	30/09/1999 Thu	0000	(JM4)
4640.0	V05	Rpgt 709 grupo 220 on four parallels: 4640	USB	20/09/1999 Mon	0300	(JM4)
4640.0	V05	//5046//12300.5// 14421 rptg 709 Grupo 220	AM	21/09/1999 Tue	0300	(JM4)
4665	E10	MIW2, //5230, 6370		03/09/1999 Fri	2015	(HFD)
4665	E10	MIW, //5230		13/09/1999 Mon	2015	(HFD)
4665	E10	MIW2, //5230		18/09/1999 Sat	2215	(HFD)
4665.0	E10	Israeli Intel. MIW2	AM	21/09/1999 Tue	2200	(AB)
4665.0	E10	//5230 MIW2	USB	30/09/1999 Thu	0215	(JM4)
4665.0	E10a	MIW2	USB	21/09/1999 Tue	2315	(GG)
4665.0	E10a	MIW2	USB	23/09/1999 Thu	2315	(GG)
4683.0	G07	703x3 1 ?785 17	AM	08/09/1999 Wed	2050	(ANUK)
4683.0	G07	703x3 1 ?785 17	AM	08/09/1999 Wed	2050	(ANUK)
4775.0		Test broadcast	USB	13/09/1999 Mon	2300	(JM4)
4782	M10	555 619 26 071		08/09/1999 Wed	2100	(HFD)
4782.0	M10	555x3 619 18 071 42	CW	01/09/1999 Wed	2100	(ANUK)
4782.0	M10	555x3 619 26 071 12	CW	06/09/1999 Mon	2100	(ANUK)
4782.0	M10	555x3 619 26 071 12	CW	08/09/1999 Wed	2100	(ANUK)
4782.0	M10	555x3 619 46 071 26	CW	08/09/1999 Wed	2100	(ANUK)
4782.0	M10	555x3 249 68 071 21	CW	13/09/1999 Mon	2100	(ANUK)

4782.0	M10	555x3 249 68 071 CW 21	15/09/1999 Wed	2100	(ANUK)
4782.0	M10	555x3 619 27 071 CW 46	20/09/1999 Mon	2100	(ANUK)
4782.0	M10	555x3 619 27 071 CW 46	22/09/1999 Wed	2100	(ANUK)
4782.0	M10	555x3 249 76 071 CW 32	27/09/1999 Mon	2100	(ANUK)
4782.0	M10	555x3 249 76 071 CW 32	29/09/1999 Wed	2100	(ANUK)
4790.0	M14A	Was on but U/R CW under QRM	22/09/1999 Wed	1900	(ANUK)
4880	E10	ULX, msg	03/09/1999 Fri	2030	(HFD)
4880.0	E10	ULX 2 msgs: 35 USB FHAXT/108 MDJHE	01/09/1999 Wed	0200	(GG)
4880.0	E10	ULX 2 msgs: 35 USB FHAXT/108 MDJHE	02/09/1999 Thu	0200	(GG)
4880.0	E10	ULX 84 UXT0Z USB	08/09/1999 Wed	0230	(GG)
4880.0	E10	ULX 2 msgs: 49 USB LNWDX/65 MNPMC	09/09/1999 Thu	0200	(GG)
4880.0	E10	ULX 64 UXT0Z USB	09/09/1999 Thu	0230	(GG)
4880.0	E10	ULX 134 MNOGL USB	09/09/1999 Thu	0300	(GG)
4880.0	E10	ULX 64 UXT0Z USB	10/09/1999 Fri	0230	(GG)
4880.0	E10	ULX 134 MNOGL USB	11/09/1999 Sat	0300	(GG)
4880.0	E10	ULX 42 RWJBS USB	13/09/1999 Mon	0300	(GG)
4880.0	E10	ULX 42 RWJBS USB	14/09/1999 Tue	0300	(GG)
4880.0	E10	ULX distorted USB	14/09/1999 Tue	0230	(GG)
4880.0	E10	ULX 144 heavy QRN USB	16/09/1999 Thu	0300	(GG)
4880.0	E10	Israeli Intel. AM ULX2.	21/09/1999 Tue	2200	(AB)
4880.0	E10	ULX 58 XNTDB USB	21/09/1999 Tue	2100	(GG)
4880.0	E10	ULX 102 TODSR USB	23/09/1999 Thu	0300	(GG)
4880.0	E10	ULX 2 msgs: 11 USB TRPTX/27 NBDEO	24/09/1999 Fri	0200	(GG)
4880.0	E10	ULX 29 KSSVC USB	25/09/1999 Sat	0300	(GG)
4880.0	E10	ULX jammed USB	25/09/1999 Sat	0230	(GG)
4880.0	E10	ULX 41 QKGB0 USB	25/09/1999 Sat	0030	(GG)
4880.0	E10	ULX 29 KSSVC USB	27/09/1999 Mon	0300	(GG)
4880.0	E10	ULX ULX AM	27/09/1999 Mon	0335	(MW)
4880.0	E10	ULX 43 CPPHB USB	27/09/1999 Mon	1630	(GG)
4880.0	E10	ULX 2 msgs: 80 USB ICyQQ/ ?? ?????	27/09/1999 Mon	0200	(GG)
4880.0	E10	ULX 48 (too much USB QRN to copy)	28/09/1999 Tue	0300	(GG)
4880.0	E10	ULX 2 msgs: 46 USB ATUZM/80 TRWCH	28/09/1999 Tue	0200	(GG)
4880.0	E10	ULX 43 CPPHB USB	28/09/1999 Tue	1630	(GG)
4880.0	E10	ULX 2 msgs: 27 USB	29/09/1999 Wed	0200	(GG)

UFCGT/93 ESSVI							
4880.0	E10	ULX weak	USB	30/09/1999	Thu	0300	(JM4)
4880.0	E10a	ULX2	USB	02/09/1999	Thu	2200	(GG)
4880.0	E10a	ULX2	USB	09/09/1999	Thu	0130	(GG)
4880.0	E10a	ULX2	USB	27/09/1999	Mon	0130	(GG)
4881.0	E10	ULX 84 UXT0Z	USB	13/09/1999	Mon	0230	(GG)
4881.0	E10	ULX 84 UXT0Z	USB	15/09/1999	Wed	0230	(GG)
4881.0	E10a	ULX2	USB	23/09/1999	Thu	2300	(GG)
4900.0	M03	018 00	CW	22/09/1999	Wed	0730	(ANUK)
4949.0	M01B	103 987 987	CW	22/09/1999	Wed	1818	(ANUK)
		43 43 = =					
4950.0	M01B	103 798 798 46 46	CW	29/09/1999	Wed	1818	(ANUK)
		= =					
4955.0	M045	555 823 823 42 42	CW	02/09/1999	Thu	1802	(ANUK)
		= = L 15041					
4955.0	M045	555 823 823 42 42	CW	07/09/1999	Tue	1802	(ANUK)
		= = L 15041					
4955.0	M045	555 349 349 46 46	CW	14/09/1999	Tue	1802	(ANUK)
		= = L 08045					
4955.0	M045	555 349 349 46 46	CW	21/09/1999	Tue	1802	(ANUK)
		= = L 08045					
4955.0	M045	555 349 349 46 46	CW	23/09/1999	Thu	1802	(ANUK)
		= = L 05045					
4955.0	M045	555 349 349 46 46	CW	28/09/1999	Tue	1802	(ANUK)
		= = L 08045 // 4555					
4958.0	M10	Repeat of Sunday	CW	22/09/1999	Wed	1630	(ANUK)
4970.0	M14A	362 451 70 362	CW	08/09/1999	Wed	1900	(ANUK)
		598 71					
4970.0	M14A	362 175 90 363	CW	15/09/1999	Wed	1900	(ANUK)
		494 51					
4970.0	M14A	362 485 100 362	CW	29/09/1999	Wed	1900	(ANUK)
		590 41					
4977.0	M52	13 : 875496x3 : 10: 222 AR	CW	22/09/1999	Wed	2100	(ANUK)
4980.0	M14A	362 471 90 362	CW	01/09/1999	Wed	1900	(ANUK)
		809 51 T 141 G					
4990.0	M01B	298 526 526 46 46	CW	20/09/1999	Mon	2010	(ANUK)
		= = L 13045 Note frequency					
4990.0	M01B	298 526 526 46	CW	27/09/1999	Mon	2110	(ANUK)
		46 = =					
4991.0	M01B	298 174 174 45 45	CW	06/09/1999	Mon	2010	(ANUK)
		= = L 19044					
5018.0	M01	463 725 725 37 37	CW	02/09/1999	Thu	2000	(ANUK)
		= = L 02036					
5018.0	M01	463 345 345 41 41	CW	07/09/1999	Tue	2000	(ANUK)
		= =					
5018.0	M01	463 418 418 39 39	CW	09/09/1999	Thu	2000	(ANUK)
		= = L 09038					

5018.0	M01	EOM	CW	23/09/1999	Thu	2000	(ANUK)
5018.0	M01	463 397 397 41 41	CW	28/09/1999	Tue	2000	(ANUK)
		= =					
5018.0	M01	463 221 221 40 40	CW	30/09/1999	Thu	2000	(ANUK)
		= =					
5019.0	M10E	35662 20 56516	CW	23/09/1999	Thu	1000	(ANUK)
		16 77798 18 76143 17					
5019.0	M10E	51811 21 52388	CW	24/09/1999	Fri	1000	(ANUK)
		15 44420 17 63873 19					
5019.0	M10E	87260 20 65660	CW	26/09/1999	Sun	1000	(ANUK)
		16 45664 18 37951 19					
5019.0	M10E	23335 20 83501	CW	27/09/1999	Mon	1000	(ANUK)
		18 48707 19 58148 17					
5019.0	M10E	83049 20 34677	CW	28/09/1999	Tue	1000	(ANUK)
		19 35744 18 18611 16					
5028.0	M10	In progress	CW	22/09/1999	Wed	0528	(VM)
5046.0	E05	Rptg 589 count	AM	17/09/1999	Fri	0000	(GH)
		113, //4640					
5046.0	E05	Rptg 589 count	AM	18/09/1999	Sat	0000	(GH)
		113; gone by :32, //4640					
5046.0	E05	//4640 rptg 589	AM	20/09/1999	Mon	0000	(JM4)
		Count 113					
5046.0	E05	//4640 rptg 589	AM	22/09/1999	Wed	0000	(JM4)
		Count 113					
5046.0	E05	//4640 rptg 589	AM	23/09/1999	Thu	0000	(JM4)
		Count 113					
5046.0	E05	//4640 rptg 589	AM	24/09/1999	Fri	0000	(JM4)
		Count 113					
5046.0	E05	//4640 rptg 115	AM	30/09/1999	Thu	0000	(JM4)
		Count 137					
5046.0	V05	//4640//12300.5//	AM	21/09/1999	Tue	0300	(JM4)
		14421 rptg 709 Grupo 220					
5047.0	E05	Up with test tones	USB	01/09/1999	Wed	0000	(JM4)
5050.0	M03	040/00	CW	13/09/1999	Mon	0700	(ANUK)
5050.0	M03	040/00	CW	20/09/1999	Mon	0700	(ANUK)
5050.0	M03	040/00	CW	27/09/1999	Mon	0700	(ANUK)
5090.0	M03	041/00	CW	03/09/1999	Fri	0800	(ANUK)
5090.0	M03	040/00	CW	08/09/1999	Wed	0700	(ANUK)
5090.0	M03	041/00	CW	10/09/1999	Fri	0800	(ANUK)
5090.0	M03	041/00	CW	17/09/1999	Fri	0800	(ANUK)
5090.0	M03	041/00	CW	24/09/1999	Fri	0800	(ANUK)
5091	E10	JSR2		03/09/1999	Fri	2030	(HFD)
5091.0	E10	Israeli Intel.	AM	21/09/1999	Tue	2141	(AB)
5091.0	E10	JSR2	USB	21/09/1999	Tue	2100	(GG)
5091.0	E10	Israeli Intel.	AM	22/09/1999	Wed	2130	(AB)
		JSR and messages.					
5091.0	E10	JSR 2 msgs: 30	USB	27/09/1999	Mon	1630	(GG)
		HQZYG/34 ?????					

5091.0	E10	JSR 2 msgs: 34 LUTUY/27 UULYM	USB	28/09/1999	Tue	1630	(GG)
5091.0	E10a	JSR2	USB	02/09/1999	Thu	2200	(GG)
5091.0	E10a	JSR2	USB	21/09/1999	Tue	2230	(GG)
5091.0	E10a	JSR2	USB	29/09/1999	Wed	2000	(GG)
5093.0	XW	Backward music station.	AM	22/09/1999	Wed	2128	(AB)
5116.5	M08a	in progress	CW	10/09/1999	Fri	0200	(JM4)
5120.0	M03	211/00	CW	14/09/1999	Tue	0815	(ANUK)
5120.0	M03	211/00	CW	21/09/1999	Tue	0815	(ANUK)
5120.0	M03	211/00	CW	28/09/1999	Tue	0815	(ANUK)
5130.0	M29A	Repeat of 1800	CW	22/09/1999	Wed	2000	(ANUK)
5141.5	RUSS.A	Air Defence, Rus: CW mrkr.	CW	22/09/1999	Wed	0225	(ALF)
5170	E10	KPA2		13/09/1999	Mon	2015	(HFD)
5170	E10	KPA2, //3940, 6658		18/09/1999	Sat	2215	(HFD)
5170.0	E10	//6658 KPA2	USB	23/09/1999	Thu	0115	(JM4)
5170.0	E10	//6658 KPA2	USB	24/09/1999	Fri	0115	(JM4)
5170.0	E10	//6658 KPA2	USB	26/09/1999	Sun	0315	(JM4)
5170.0	E10	//6658 KPA2	USB	30/09/1999	Thu	0215	(JM4)
5170.0	E10a	KPA2	USB	21/09/1999	Tue	2315	(GG)
5170.0	E10a	KPA2	USB	23/09/1999	Thu	2315	(GG)
5180.0	M03	044/00	CW	08/09/1999	Wed	0830	(ANUK)
5180.0	M03	044/00	CW	20/09/1999	Mon	0830	(ANUK)
5180.0	M03	011 00	CW	22/09/1999	Wed	0930	(ANUK)
5180.0	M03	044 00	CW	22/09/1999	Wed	0830	(ANUK)
5180.0	M03	042/00	CW	27/09/1999	Mon	0830	(ANUK)
5190.0	M51	NR 37 // 4628	CW	21/09/1999	Tue	0624	(VM)
5195.0		Air Defence, RUS: CW mrkr.	CW	22/09/1999	Wed	1520	(ALF)
5220	G04	95458 75212 96660. 25gr		02/09/1999	Thu	2035	(HFD)
5220	G04	95458 75212 96660		05/09/1999	Sun	2035	(HFD)
5220.0	G04	25x5F New Message	AM	02/09/1999	Thu	2035	(ANUK)
5220.0	G04	25x5F RR 1999-09-02	AM	09/09/1999	Thu	2035	(ANUK)
5220.0	G04	25x5F RR 1999-09-02 Repeat each week	AM	12/09/1999	Sun	2035	(ANUK)
5220.0	M01B	719 169 169 46 46 = = L 23045	CW	01/09/1999	Wed	1718	(ANUK)
5220.0	M01B	719 169 169 46 46 = = L 23045	CW	06/09/1999	Mon	1718	(ANUK)
5220.0	M01B	719 169 169 46 46 = = L 23045	CW	08/09/1999	Wed	1718	(ANUK)
5220.0	M01B	719 429 429 45 45 = = L 26045	CW	08/09/1999	Wed	1718	(ANUK)

5220.0	M01B	719 169 169 46 46 CW = = L 23045	13/09/1999 Mon	1718	(ANUK)
5220.0	M01B	719 798 798 46 46 CW = = L 15045	15/09/1999 Wed	1718	(ANUK)
5220.0	M01B	719 798 798 46 46 CW = = L 15045	20/09/1999 Mon	1718	(ANUK)
5220.0	M01B	719 798 798 46 46 CW = = L 15045	22/09/1999 Wed	1718	(ANUK)
5223.0	M51	NR 43 CW	08/09/1999 Wed	0633	(VM)
5223.0	M51	In progress CW	09/09/1999 Thu	0515	(VM)
5223.0	M51	French Intell. CW	22/09/1999 Wed	1140	(ALF)
5224.0	M51	NR 51 CW	01/09/1999 Wed	0452	(VM)
5224.0	M51	NR 64 // 8043 CW	03/09/1999 Fri	0654	(VM)
5224.0	M51	NR 07 // 3757 CW	15/09/1999 Wed	0544	(VM)
5224.0	M51	NR 39 // 3757 CW	16/09/1999 Thu	0452	(VM)
5230	E10	MIW2, //4665, 6370	03/09/1999 Fri	2015	(HFD)
5230	E10	MIW2, //7605, 6370	05/09/1999 Sun	1715	(HFD)
5230	E10	MIW, //4665	13/09/1999 Mon	2015	(HFD)
5230	E10	MIW2, //4665	18/09/1999 Sat	2215	(HFD)
5230.0	E10	MIW2 USB	23/09/1999 Thu	0115	(JM4)
5230.0	E10	MIW2 USB	24/09/1999 Fri	0115	(JM4)
5230.0	E10	//6370 MIW2 USB	26/09/1999 Sun	0315	(JM4)
5230.0	E10	MIW2 USB	26/09/1999 Sun	0100	(JM4)
5230.0	E10	MIW2 USB	27/09/1999 Mon	0215	(JM4)
5230.0	E10	MIW2 USB	27/09/1999 Mon	0115	(JM4)
5230.0	E10	VLB2 USB	30/09/1999 Thu	0115	(JM4)
5230.0	E10	//4665 MIW2 USB	30/09/1999 Thu	0215	(JM4)
5230.0	E10a	MIW2 USB	21/09/1999 Tue	2315	(GG)
5230.0	E10a	MIW2 USB	23/09/1999 Thu	2315	(GG)
5231.0	SNJ3	Unid Central Eur CW	22/09/1999 Wed	0732	(ALF)
5243.0	M51	NR 03 // 3771 CW	27/09/1999 Mon	1955	(VM)
5243.0	M51	NR 47 // 3771 CW	28/09/1999 Tue	2011	(VM)
5243.0	M51	NR 35 // 3771 CW	30/09/1999 Thu	1947	(VM)
5254.0	VLDR	Unid, CZE. CW	22/09/1999 Wed	1531	(ALF)
5258.0	DPQT	Czech military, CW	22/09/1999 Wed	1019	(ALF)
5289.0	WWVC	Unid. CW	22/09/1999 Wed	1535	(ALF)
5319.0	F8DL	Unid, Central Eur CW	22/09/1999 Wed	0901	(ALF)
5320	G04	95458 75212 96660. 25gr	02/09/1999 Thu	2005	(HFD)
5320	G04	95458 75212 96660	05/09/1999 Sun	2005	(HFD)
5320.0	G04	25x5F New message AM 95458 75212 96660 42158	02/09/1999 Thu	2005	(ANUK)
5320.0	G04	25x5F RR AM 1999-09-02	09/09/1999 Thu	2005	(ANUK)
5320.0	G04	25x5F RR AM 1999-09-02 Repeat each week	12/09/1999 Sun	2005	(ANUK)
5320.0	G04	25x5F RR AM	19/09/1999 Sun	2005	(ANUK)

		1999-09-02					
5320.0	G04	25x5F RR	AM	26/09/1999	Sun	2005	(ANUK)
		1999-09-02					
5320.0	M51	NR 24	CW	20/09/1999	Mon	1937	(VM)
5320.0	M51	NR 72 // 5905	CW	22/09/1999	Wed	0539	(VM)
5321.0	GRXZ	Unid.	CW	22/09/1999	Wed	1032	(ALF)
5334.5	M51	NR 15 // 6981	CW	06/09/1999	Mon	2234	(VM)
5334.5	M51	NR 44 // 6981	CW	09/09/1999	Thu	2224	(VM)
5336.0	M51	NR 71 // 6984	CW	13/09/1999	Mon	2201	(VM)
5336.0	M51	NR 25 // 6984	CW	15/09/1999	Wed	1804	(VM)
5336.0	M51	French Intell.	CW	22/09/1999	Wed	1553	(ALF)
5340.0	M29	VDE 17x2 24x2	CW	22/09/1999	Wed	1800	(ANUK)
		19x2 1600x2					
5340.0	M29A	37 37 14 14 22 22	CW	22/09/1999	Wed	1800	(ANUK)
		1900 1900					
5345	S06	826 826 826 00000		11/09/1999	Sat	2100	(HFD)
5345.0	S06	826x3 00000	AM	26/09/1999	Sun	2100	(JE)
5360.0	M03	044/00	CW	01/09/1999	Wed	0830	(ANUK)
5360.0	M03	044/00	CW	15/09/1999	Wed	0830	(ANUK)
5365.0	M03	040/00	CW	10/09/1999	Fri	0730	(ANUK)
5365.0	M03	040/00	CW	17/09/1999	Fri	0730	(ANUK)
5365.0	M03	040/00	CW	24/09/1999	Fri	0730	(ANUK)
5372.0	ABMK	Unid.	CW	22/09/1999	Wed	1457	(ALF)
5402.0	L9CC	Unid	CW	22/09/1999	Wed	1842	(ALF)
5409.0	VBFB	wkg TS5V. 5 FGS	CW	01/09/1999	Tue	2109	(AB)
5417.0	V02a	In prog; -----	AM	20/09/1999	Mon	0703	(GH)
		41424 -----					
5419.5	M08a	Poss. ADTRD NAIUD	CW	18/09/1999	Sat	0200	(GH)
		DUATA					
5422	E03	20105, //8464,		04/09/1999	Sat	1900	(HFD)
		6485					
5422	E03	78715 6485		17/09/1999	Fri	1800	(HFD)
		jammed, //6485					
5435.0	E10	ART 81 PRWVW	USB	01/09/1999	Wed	2200	(GG)
5435.0	E10	ART2	USB	01/09/1999	Wed	0300	(GG)
5435.0	E10	ART2	USB	01/09/1999	Wed	0300	(JM4)
5435.0	E10	ART2	USB	02/09/1999	Thu	0300	(JM4)
5435.0	E10	ART 81 PRWVW	USB	02/09/1999	Thu	2200	(GG)
5435.0	E10	ART	USB	06/09/1999	Mon	0300	(JM4)
5435.0	E10	ART 17 AZWCV	USB	09/09/1999	Thu	0130	(GG)
5435.0	E10	ART2	USB	10/09/1999	Fri	0300	(JM4)
5435.0	E10	ART	USB	21/09/1999	Tue	2100	(GG)
5435.0	E10	ART extremely weak	USB	22/09/1999	Wed	0400	(JM4)
5435.0	E10	ART2	USB	22/09/1999	Wed	0300	(JM4)
5435.0	E10	ART (39) RKUTK	USB	23/09/1999	Thu	0130	(JM4)
5435.0	E10	ART	USB	24/09/1999	Fri	0130	(JM4)

5435.0	E10	ART2	USB	26/09/1999	Sun	0300	(JM4)
5435.0	E10	ART 96 SWTFN	USB	27/09/1999	Mon	0130	(GG)
5435.0	E10	ART?? 5LG in progress	USB	27/09/1999	Mon	0130	(JM4)
5435.0	E10	ART2	USB	30/09/1999	Thu	0300	(JM4)
5435.0	E10a	ART2	USB	08/09/1999	Wed	2200	(GG)
5435.0	E10a	ART2	USB	21/09/1999	Tue	2230	(GG)
5437	E10	ART		11/09/1999	Sat	1830	(HFD)
5437.0	E10	ART 25 WYVKI	USB	23/09/1999	Thu	2330	(GG)
5440.0	M01B	271 174 174 45 45 = = L 19044	CW	03/09/1999	Fri	2102	(ANUK)
5440.0	M29	VDE 17x2 24x2 19x2 1600x2	CW	22/09/1999	Wed	1830	(ANUK)
5441.0	M01B	271 526 526 46 46 CW = = L 13045		17/09/1999	Fri	2102	(ANUK)
5441.0	M01B	271 526 526 46 46 CW = = L 13045		24/09/1999	Fri	2102	(ANUK)
5464.0	M01	463 304 304 41 41 CW = = L 21041 Very weak signal		21/09/1999	Tue	1800	(ANUK)
5473.0	M01	463 726 726 40 40 CW = = L 09039		09/09/1999	Thu	1800	(ANUK)
5474.0	M01	463 219 219 35 35 CW = = L 02034		02/09/1999	Thu	1800	(ANUK)
5474.0	M01	463 232 232 40 40 CW = =		07/09/1999	Tue	1800	(ANUK)
5474.0	M01	EOM	CW	23/09/1999	Thu	1800	(ANUK)
5474.0	M01	463 175 175 42 42 CW = = L 28041		28/09/1999	Tue	1800	(ANUK)
5474.0	M01	463 815 815 37 37 CW = =		30/09/1999	Thu	1800	(ANUK)
5476.0	S06	Unid.	CW	22/09/1999	Wed	0855	(ALF)
5520.0	M03	013/52	CW	09/09/1999	Thu	0900	(ANUK)
5520.0	M03	011/00	CW	23/09/1999	Thu	0900	(ANUK)
5520.0	M03	011/00	CW	30/09/1999	Thu	0900	(ANUK)
5530	E10	SYN2, //7811		11/09/1999	Sat	1645	(HFD)
5530	E15	m NAS QRU		07/09/1999	Tue	2000	(HFD)
5530.0	E10a	SYN2	USB	21/09/1999	Tue	2245	(GG)
5530.0	E10a	SYN2	USB	23/09/1999	Thu	0145	(GG)
5583.0	M13	411 = 205 22 =	CW	04/09/1999	Sat	2030	(ANUK)
5583.0	M13	411 = 205 20 =	CW	18/09/1999	Sat	2030	(ANUK)
5583.0	M13	411=205 20 =	CW	19/09/1999	Sun	2030	(ANUK)
5625.0	M03	017/00	CW	30/09/1999	Thu	0800	(ANUK)
5629	E10	VLB2, //6658		09/09/1999	Thu	1945	(HFD)
5629	E10	VLB2, //6658		11/09/1999	Sat	1645	(HFD)
5629	E10	VLB2, //6658		11/09/1999	Sat	1645	(HFD)
5629.0	E10	VLB2	USB	22/09/1999	Wed	0345	(JM4)
5629.0	E10	VLB2	USB	23/09/1999	Thu	0145	(JM4)

5629.0	E10	VLB2	USB	26/09/1999	Sun	0345	(JM4)
5629.0	E10	VLB2	USB	26/09/1999	Sun	0145	(JM4)
5629.0	E10	//10352 CI02	USB	30/09/1999	Thu	0145	(JM4)
5629.0	E10	VLB2	USB	30/09/1999	Thu	0245	(JM4)
5629.0	E10a	VLB2	USB	21/09/1999	Tue	2245	(GG)
5629.0	E10a	VLB2	USB	23/09/1999	Thu	0145	(GG)
5629.0	E10a	VLB2	USB	23/09/1999	Thu	2248	(GG)
5630.0	M29	VDE 27x2 33x2 6x2 CW		06/09/1999	Mon	0600	(ANUK)
		0800x2					
5630.0	M29	VDE 27x2 33x2 6x2 CW		07/09/1999	Tue	0600	(ANUK)
		0800x2					
5630.0	M29	VDE 27x2 33x2 6x2 CW		07/09/1999	Tue	1200	(ANUK)
		0800x2					
5630.0	M29	VDE 66x2 32x2 CW		13/09/1999	Mon	0600	(ANUK)
		13x2 0800x2 Repeat Tuesday					
5630.0	M29	VDE 66x2 32x2 CW		13/09/1999	Mon	1200	(ANUK)
		13x2 0800x2 Repeat Tuesday					
5630.0	M29	VDE 74x2 31x2 CW		20/09/1999	Mon	0600	(ANUK)
		20x2 0800x2 Repeat 1999-09-21					
5630.0	M29	VDE 74x2 31x2 CW		20/09/1999	Mon	1200	(ANUK)
		20x2 0800x2 RR 1999-09-21					
5630.0	M29	VDE 83x2 34x2 CW		27/09/1999	Mon	0600	(ANUK)
		27x2 0800x2					
5720.0	M29A	Repeat of 0800	CW	22/09/1999	Wed	1400	(ANUK)
5720.0	M29A	67 67 36 36 22 22 CW		22/09/1999	Wed	0800	(ANUK)
		0900 0900					
5730.0	M01D	331 961 961 22 22 CW		29/09/1999	Wed	0700	(ANUK)
		= = 22x5f					
5730.0	M01D	331 961 961 22 22 CW		29/09/1999	Wed	0800	(ANUK)
		= = 22x5f					
5730.0	M29	VDE 27x2 33x2 6x2 CW		06/09/1999	Mon	0630	(ANUK)
		0800x2					
5730.0	M29	VDE 27x2 33x2 6x2 CW		07/09/1999	Tue	1230	(ANUK)
		0800x2					
5730.0	M29	VDE 27x2 33x2 6x2 CW		07/09/1999	Tue	0630	(ANUK)
		0800x2					
5730.0	M29	VDE 66x2 32x2 CW		13/09/1999	Mon	0630	(ANUK)
		13x2 0800x2 Repeat Tuesday					
5730.0	M29	VDE 66x2 32x2 CW		13/09/1999	Mon	1230	(ANUK)
		13x2 0800x2 Repeat Tuesday					
5730.0	M29	VDE 74x2 31x2 CW		20/09/1999	Mon	0630	(ANUK)
		20x2 0800x2 Repeat 1999-09-21					
5730.0	M29	VDE 74x2 31x2 CW		20/09/1999	Mon	1230	(ANUK)
		20x2 0800x2 RR 1999-09-21					
5731.0	M01D	331 53270 Rest	CW	30/09/1999	Thu	0700	(ANUK)
		U/R Very weak signal					
5731.0	M01D	331 53764 331	CW	30/09/1999	Thu	0600	(ANUK)
		53852 30x5f Message					

5734.0	M13	261 = 208 23 =	CW	22/09/1999	Wed	2000	(ANUK)
5734.0	M13	261 = 208 23 =	CW	22/09/1999	Wed	2100	(ANUK)
5737.0	M01B	302 174 174 45 45	CW	02/09/1999	Thu	2032	(ANUK)
		= = L 19044					
5737.0	M01B	302 174 174 45 45	CW	09/09/1999	Thu	2032	(ANUK)
		= = L 19044					
5737.0	M01B	302 526 526 46 46	CW	23/09/1999	Thu	2032	(ANUK)
		= = L13045					
5746	E03	18611, //9251,		05/09/1999	Sun	2100	(HFD)
		6959					
5746	E03	05292, //9251,		07/09/1999	Tue	1800	(HFD)
		6959					
5746	G07	359 1, 8045 103,		06/09/1999	Mon	2030	(HFD)
		55887 92958 61455					
5746.0	G07	359x3 000	AM	13/09/1999	Mon	2020	(ANUK)
5746.0	G07	359x3 1 8496 217	AM	20/09/1999	Mon	2041	(ANUK)
5746.0	G07	359x3 1 8496 217	AM	27/09/1999	Mon	2040	(ANUK)
5747.0	G07	359x3 1 / 8045	AM	06/09/1999	Mon	2030	(JE)
		103					
5747.0	G07	359x3 000	AM	13/09/1999	Mon	2020	(JE)
5748.0	M04	U R3 L0	CW	08/09/1999	Wed	1257	(ANUK)
		L0x3/93963					
5762.0	V02a	A 51162 24461	AM	04/09/1999	Sat	0200	(JM4)
		91581					
5762.0	V02a	A 51163 24463	AM	11/09/1999	Sat	0200	(JM4)
		91582					
5762.0	V02a	At 711__ ____	AM	11/09/1999	Sat	0200	(GH)
		____; exceedingly faint					
5762.0	V02a	in progress	AM	18/09/1999	Sat	0200	(JM4)
5785.0	M51	NR 23 to NR 36	CW	02/09/1999	Thu	0705	(ANUK)
5787.0	M51	NR 13 // 6984	CW	02/09/1999	Thu	0604	(VM)
5800.0	V02a	in progress	AM	06/09/1999	Mon	0300	(JM4)
5800.0	V02a	QRM from	AM	20/09/1999	Mon	0300	(JM4)
		broadcasters					
5803.0	M01B	708 113 113 43 43	CW	28/09/1999	Tue	1823	(ANUK)
		= =					
5805.0	M01B	708 113 113 43 43	CW	30/09/1999	Thu	1823	(ANUK)
		= =					
5815.0	M01B	729 778 778 46	CW	08/09/1999	Wed	2010	(ANUK)
		46 = = L26045					
5820	E10	YHF		11/09/1999	Sat	1830	(HFD)
5820.0	E10	YHF 18 UPNMY	USB	15/09/1999	Wed	2330	(GG)
5820.0	E10	YHF	USB	23/09/1999	Thu	2330	(GG)
5820.0	E10	YHF 27 FBYXS	USB	25/09/1999	Sat	1900	(GG)
5820.0	E10	YHF 49 NSIDW	USB	27/09/1999	Mon	1900	(GG)
5820.0	E10a	YHF2	USB	28/09/1999	Tue	1630	(GG)
5820.0	M29A	Repeat of 0830	CW	22/09/1999	Wed	1430	(ANUK)
5820.0	M29A	Repeat of above	CW	22/09/1999	Wed	0830	(ANUK)

5830.0	M03	287/00 New	CW	01/09/1999	Wed	1630	(ANUK)
		frequency. Repeat daily					
5830.0	M03	010/57	CW	03/09/1999	Fri	0830	(ANUK)
5830.0	M03	017/00	CW	10/09/1999	Fri	0830	(ANUK)
5830.0	M03	287/00 Repeat	CW	12/09/1999	Sun	1630	(ANUK)
		Daily					
5830.0	M03	017/00	CW	17/09/1999	Fri	0830	(ANUK)
5830.0	M03	287/00 Repeat	CW	26/09/1999	Sun	1630	(ANUK)
		Daily					
5834	E15	m MSA QRA		07/09/1999	Tue	1800	(HFD)
5859.0	W8F2	Unid, Central Eur	CW	22/09/1999	Wed	0818	(ALF)
5860.0	M03	743/00	CW	21/09/1999	Tue	0800	(ANUK)
5860.0	M03	743/00	CW	28/09/1999	Tue	0800	(ANUK)
5905.0	M51	NR 88 // 4597.5	CW	07/09/1999	Tue	0609	(VM)
5905.0	M51	NR 34 // 4597.5	CW	08/09/1999	Wed	0538	(VM)
5905.0	M51	NR 29 // 4597.5	CW	10/09/1999	Fri	0614	(VM)
5905.0	M51	NR 72 // 5320	CW	22/09/1999	Wed	0539	(VM)
5907.0	M51	NR 63 // 6976.5	CW	02/09/1999	Thu	2126	(VM)
5907.0	M51	NR 70	CW	14/09/1999	Tue	0716	(VM)
5946.0	M10	57118 275 39	CW	01/09/1999	Wed	1630	(ANUK)
		049 36 435 15					
5946.0	M10	571 50 275 27	CW	05/09/1999	Sun	1630	(ANUK)
		049 37 435 34					
5946.0	M10	571 50 275 27	CW	06/09/1999	Mon	1630	(ANUK)
		049 37 435 34					
5946.0	M10	IP ended 32 32 34	CW	08/09/1999	Wed	1700	(ANUK)
		34 000					
5946.0	M10	571 17 275 45	CW	18/09/1999	Sat	1630	(ANUK)
		049 17 435 34					
5946.0	M10	571 17 275 45	CW	20/09/1999	Mon	1630	(ANUK)
		049 17 435 34					
5946.0	M10	571 17 275 45	CW	22/09/1999	Wed	1630	(ANUK)
		049 17 435 34					
5946.0	M10	571 45 275 39	CW	25/09/1999	Sat	1630	(ANUK)
		049 49 435 32					
5946.0	M10	571 45 275 39	CW	26/09/1999	Sun	1630	(ANUK)
		049 49 435 32 //6780					
5946.0	M10	571 45 275 39	CW	27/09/1999	Mon	1630	(ANUK)
		049 49 435 32					
6200.0	E23	90763 14535 29573	USB	20/09/1999	Mon	0957	(ANUK)
		Week 3					
6210.0	M03	214/00	CW	08/09/1999	Wed	0900	(ANUK)
6210.0	M03	214/00	CW	15/09/1999	Wed	0900	(ANUK)
6210.0	M03	214/00	CW	22/09/1999	Wed	0900	(ANUK)
6210.0	M03	214/00	CW	29/09/1999	Wed	0900	(ANUK)
6258.0	M01	EOM	CW	25/09/1999	Sat	1500	(ANUK)
6260.0	M01	463 516 516 40 40	CW	04/09/1999	Sat	1500	(ANUK)
		= = L 04039					

6260.0	M01	463 216 216 40 40 CW = = L 11039		11/09/1999 Sat	1500	(ANUK)
6260.0	M01	463 337 337 45 45 CW = = L 18045		18/09/1999 Sat	1500	(ANUK)
6270	E10	ULX, msg		05/09/1999 Sun	1600	(HFD)
6270.0	E10	//7760 ULX (37) USB AH__X		13/09/1999 Mon	0100	(JM4)
6270.0	E10	//7760 ULX w/two USB messages weak		15/09/1999 Wed	0100	(JM4)
6270.0	E10	//7760 ULX USB		20/09/1999 Mon	0100	(JM4)
6270.0	E10	ULX 58 XNTDB USB		21/09/1999 Tue	2100	(GG)
6270.0	E10	//7760 ULX USB		22/09/1999 Wed	0100	(JM4)
6270.0	E10	ULX2 USB		23/09/1999 Thu	0130	(JM4)
6270.0	E10	//7760 ULX (37) USB OH_GX		23/09/1999 Thu	0100	(JM4)
6270.0	E10	ULX2 USB		24/09/1999 Fri	0130	(JM4)
6270.0	E10	ULX 37 OHWGX USB		25/09/1999 Sat	0100	(GG)
6270.0	E10	ULX? 5LG i/p USB missed call-up		26/09/1999 Sun	0400	(JM4)
6270.0	E10	ULX 41 ZJVEI USB		27/09/1999 Mon	0400	(GG)
6270.0	E10	ULX 37 OHWGX USB		27/09/1999 Mon	0100	(GG)
6270.0	E10	//7760 ULX USB (37)OHWGX		27/09/1999 Mon	0100	(JM4)
6270.0	E10	//7760 ULX USB (34)HI_KZ		30/09/1999 Thu	0100	(JM4)
6270.0	E10a	ULX2 (QRN from USB BC)		02/09/1999 Thu	0130	(GG)
6270.0	E10a	ULX2 USB		02/09/1999 Thu	2200	(GG)
6270.0	E10a	ULX2 USB		09/09/1999 Thu	0130	(GG)
6270.0	E10a	ULX2 USB		24/09/1999 Fri	0130	(GG)
6270.0	E10a	ULX2 USB		27/09/1999 Mon	0130	(GG)
6283.0	M01B	382 286 286 45 CW 45 = = L 17044		02/09/1999 Thu	1723	(ANUK)
6283.0	M01B	382 113 113 43 43 CW = = L 05042		07/09/1999 Tue	1723	(ANUK)
6283.0	M01B	382 113 113 43 43 CW = = L 05042		09/09/1999 Thu	1724	(ANUK)
6283.0	M01B	382 113 113 43 43 CW = = L 05042		14/09/1999 Tue	1723	(ANUK)
6283.0	M01B	382 113 113 43 43 CW = = L 05042		21/09/1999 Tue	1723	(ANUK)
6283.0	M01B	382 382 43 43 = = CW 05042		23/09/1999 Thu	1723	(ANUK)
6320.0	M01B	043 113 113 43 43 CW = = L 05042		07/09/1999 Tue	0724	(ANUK)
6320.0	M01B	043 Rest U/R Poor CW signal		14/09/1999 Tue	0723	(ANUK)

6320.0	M01B	043 113 113 43 43 CW = = L 05042	21/09/1999 Tue	0723	(ANUK)
6320.0	M01B	043 113 113 43 43 CW = = L 05042	23/09/1999 Thu	0723	(ANUK)
6330.0	M03	976/00 CW	06/09/1999 Mon	0900	(ANUK)
6330.0	M03	976/00 CW	08/09/1999 Wed	0900	(ANUK)
6330.0	M03	976/00 CW	13/09/1999 Mon	0900	(ANUK)
6330.0	M03	976/00 CW	20/09/1999 Mon	0900	(ANUK)
6370	E10	MIW2, //4665, 5230	03/09/1999 Fri	2015	(HFD)
6370	E10	MIW2, //7605, 5230	05/09/1999 Sun	1715	(HFD)
6370.0	E10	//5230 MIW2 USB	26/09/1999 Sun	0315	(JM4)
6370.0	E10a	MIW2 USB	21/09/1999 Tue	2315	(GG)
6370.0	E10a	MIW2 USB	23/09/1999 Thu	2315	(GG)
6379.0	M22	4XZ marker on new CW frequency	27/09/1999 Mon	0150	(JM4)
6379.0	M22	4XZ marker CW	30/09/1999 Thu	0120	(JM4)
6430.0	M03	552/00 CW	03/09/1999 Fri	0930	(ANUK)
6430.0	M03	743/00 CW	07/09/1999 Tue	1000	(ANUK)
6430.0	M03	552/00 CW	10/09/1999 Fri	0930	(ANUK)
6430.0	M03	743/00 CW	14/09/1999 Tue	1000	(ANUK)
6485	E03	20105, //8464, 5422	04/09/1999 Sat	1900	(HFD)
6485	E03	78715 6485 jammed, //5422	17/09/1999 Fri	1800	(HFD)
6498.0	E10	PCD 4? Weak USB	15/09/1999 Wed	0030	(GG)
6505.0	E23	90763 14535 29573 USB Week 3	20/09/1999 Mon	1257	(ANUK)
6507.0	E23	80490 60362 68787 USB Week 1 USB	06/09/1999 Mon	0957	(ANUK)
6508.0	M01	463 307 307 38 38 CW = = L 05037	05/09/1999 Sun	0700	(ANUK)
6508.0	M01	463 405 405 43 43 CW = = L 12042	12/09/1999 Sun	0700	(ANUK)
6508.0	M01	463 507 507 43 43 CW = = L 19042	19/09/1999 Sun	0700	(ANUK)
6508.0	M01	463 482 482 40 40 CW = = L 26039	26/09/1999 Sun	0700	(ANUK)
6510.0	M29	VDE 17x2 13x2 6x2 CW 1900x2 Repeat Daily	06/09/1999 Mon	1700	(ANUK)
6539.0	M10E	111x3 74338x3 CW 20x3	22/09/1999 Wed	2100	(ANUK)
6570.0	M29	VDE 29 29 11 11 9 CW 9 1900 1900 Repeat Daily	08/09/1999 Wed	1900	(ANUK)
6575.0	E10	HNCK AM	06/09/1999 Mon	2224	(VM)
6620.0	M39	IDs 220 813 494 CW	15/09/1999 Wed	0655	(ANUK)

		947				
6658	E10	VLB2, //5629		09/09/1999	Thu	1945 (HFD)
6658	E10	VLB2, //5629		11/09/1999	Sat	1645 (HFD)
6658	E10	VLB2, //5629		11/09/1999	Sat	1645 (HFD)
6658	E10	KPA2, //3940,5170		18/09/1999	Sat	2215 (HFD)
6658.0	E10	KPA2	USB	21/09/1999	Tue	0215 (JM4)
6658.0	E10	KPA2	USB	22/09/1999	Wed	0215 (JM4)
6658.0	E10	KPA2	USB	22/09/1999	Wed	0115 (JM4)
6658.0	E10	KPA2	USB	22/09/1999	Wed	0315 (JM4)
6658.0	E10	KPA2	USB	23/09/1999	Thu	0215 (JM4)
6658.0	E10	//5170 KPA2	USB	23/09/1999	Thu	0115 (JM4)
6658.0	E10	//5170 KPA2	USB	24/09/1999	Fri	0115 (JM4)
6658.0	E10	KPA2	USB	26/09/1999	Sun	0100 (JM4)
6658.0	E10	KPA2	USB	26/09/1999	Sun	0215 (JM4)
6658.0	E10	//5170 KPA2	USB	26/09/1999	Sun	0315 (JM4)
6658.0	E10	KPA2	USB	27/09/1999	Mon	0215 (JM4)
6658.0	E10	KPA2	USB	27/09/1999	Mon	0115 (JM4)
6658.0	E10	//5170 KPA2	USB	30/09/1999	Thu	0215 (JM4)
6658.0	E10	KPA2	USB	30/09/1999	Thu	0115 (JM4)
6658.0	E10a	KPA2	USB	21/09/1999	Tue	2315 (GG)
6658.0	E10a	KPA2	USB	23/09/1999	Thu	2315 (GG)
6720.0	M29	VDE New	CW	01/09/1999	Wed	1900 (ANUK)
		frequency. Same as 1998				
6720.0	M29	VDE 17x2 13x2 6x2 CW		06/09/1999	Mon	1900 (ANUK)
		1900x2 Repeat Daily				
6720.0	M29	VDE 91x2 11x2 CW		20/09/1999	Mon	1900 (ANUK)
		20x2 1900x2 Repeat Daily				
6720.0	M29	VDE 37x2 12x2 CW		27/09/1999	Mon	1900 (ANUK)
		27x2 1900x2 Repeat Daily				
6745	E10	KPA2		03/09/1999	Fri	2015 (HFD)
6745	E10	SYN2, //8127		18/09/1999	Sat	2145 (HFD)
6745.0	E10	KPA2	USB	02/09/1999	Thu	0115 (JM4)
6745.0	E10	KPA2	USB	10/09/1999	Fri	0215 (JM4)
6745.0	E10	KPA2	USB	10/09/1999	Fri	0115 (JM4)
6745.0	E10	KPA2	USB	11/09/1999	Sat	0115 (JM4)
6745.0	E10	KPA2	USB	11/09/1999	Sat	0215 (JM4)
6745.0	E10	SYN2	USB	22/09/1999	Wed	0345 (JM4)
6745.0	E10	SYN2	USB	26/09/1999	Sun	0345 (JM4)
6745.0	E10	SYN2	USB	26/09/1999	Sun	0445 (JM4)
6745.0	E10a	CI02	USB	21/09/1999	Tue	2245 (GG)
6745.0	E10a	SYN2	USB	23/09/1999	Thu	2248 (GG)
6750.0	M29	VDE 29 29 11 11 9 CW		08/09/1999	Wed	1700 (ANUK)
		9 1900 1900 Repeat Daily				
6768.0	V02a	A 51162 24461	AM	04/09/1999	Sat	0100 (JM4)
		91581				
6768.0	V02a	A 51163 24463	AM	11/09/1999	Sat	0100 (JM4)
		91582				
6768.0	V02a	Atencion 71163	AM	11/09/1999	Sat	0100 (GH)

6768.0	V02a	24463 91582; 3 finals YL/SS barely AM	18/09/1999 Sat	0100	(GH)
6768.0	V02a	audible 5FG A 65642 32263 AM	20/09/1999 Mon	0400	(JM4)
6778.0	V02a	45523 in progress using AM	14/09/1999 Tue	0100	(JM4)
6780.0	M10	r/c AM! 571 50 275 27 CW	04/09/1999 Sat	1630	(ANUK)
6780.0	M10	049 37 435 34 // 5948 571 44 275 37 CW	11/09/1999 Sat	1630	(ANUK)
6780.0	M10	049 50 435 30 571 44 275 37 CW	12/09/1999 Sun	1630	(ANUK)
6780.0	M10	049 50 435 30 571 44 275 37 CW	13/09/1999 Mon	1630	(ANUK)
6780.0	M10	049 50 435 30 571 44 275 37 CW	15/09/1999 Wed	1630	(ANUK)
6782.0	M12	049 50 435 30 135x3 1 1596 142 CW	01/09/1999 Wed	1800	(ANUK)
6782.0	M12	1820/7657 1840/8173 949x3 1 1596 142 CW	01/09/1999 Wed	1600	(ANUK)
6782.0	M12	1620/7657 1640/8173 749x3 1 1596 142 CW	01/09/1999 Wed	0630	(ANUK)
6782.0	M12	135x3 1 8426 139 CW	08/09/1999 Wed	1800	(ANUK)
6782.0	M12	1820/7657 1840/8173 749x3 1 8426 139 CW	08/09/1999 Wed	0630	(ANUK)
6782.0	M12	0650/7657 0710/8173 135x3 1 2469 141 CW	13/09/1999 Mon	1700	(ANUK)
6782.0	M12	1720/7657 1740 8173 135x3 1 2536 137 CW	15/09/1999 Wed	1800	(ANUK)
6782.0	M12	1820/7657 1840/8173 749x3 1 2536 137 CW	15/09/1999 Wed	1600	(ANUK)
6782.0	M12	1620/7657 1640/8173 749x3 1 7623 143 CW	22/09/1999 Wed	1700	(ANUK)
6782.0	M12	135x3 1 1343 144 CW	27/09/1999 Mon	1700	(ANUK)
6782.0	M12	135x3 1 1624 143 CW	29/09/1999 Wed	1800	(ANUK)
6786.0	V02a	Atencion 00762 AM	12/09/1999 Sun	0600	(GH)
6786.0	V02a	32211 08983 Atencion 00763 AM	19/09/1999 Sun	0600	(GH)
6786.0	V02a	32212 08984 In prog; 3 finals AM	20/09/1999 Mon	0631	(GH)
6810.0	M03	976/00 CW	09/09/1999 Thu	1000	(ANUK)
6810.0	M03	976/00 CW	23/09/1999 Thu	1000	(ANUK)
6810.0	M29	VDE New CW	01/09/1999 Wed	1700	(ANUK)
6810.0	M29	frequency. Same as 1998 VDE 59x2 14x2 CW	13/09/1999 Mon	1700	(ANUK)
6810.0	M29	13x2 1900x2 Repeat Daily VDE 91x2 11x2 CW	20/09/1999 Mon	1700	(ANUK)
6810.0	M29	20x2 1900x2 Repeat Daily			

6810.0	M29	VDE 37x2 12x2 CW	27/09/1999 Mon	1700	(ANUK)
		27x2 1900x2 Repeat Daily			
6823.0	M01B	168 826 826 44 CW	02/09/1999 Thu	1505	(ANUK)
		44 L 02043			
6825.0	S06	Ending 00000. AM	21/09/1999 Tue	1730	(JJ)
6825.0	S06	00000 ending, AM	21/09/1999 Tue	1730	(CD)
		inprogress			
6834.0	M10	555x3 571 21 275 CW	08/09/1999 Wed	1630	(ANUK)
		22 049 23 435 30			
6840	E10	EZI, smg, //11565	05/09/1999 Sun	1930	(HFD)
6840.0	E10	//9130 EZI USB	01/09/1999 Wed	0100	(JM4)
6840.0	E10	//9130 EZI (62) USB	02/09/1999 Thu	0100	(JM4)
		MZAIM			
6840.0	E10	//9130 (62) MZAIM USB	04/09/1999 Sat	0100	(JM4)
6840.0	E10	//9130 EZI USB	06/09/1999 Mon	0100	(JM4)
6840.0	E10	EZI 20 QYNMQ USB	08/09/1999 Wed	0100	(GG)
6840.0	E10	//9130 EZI (20) USB	09/09/1999 Thu	0100	(JM4)
		QYNMQ			
6840.0	E10	weak USB	10/09/1999 Fri	0100	(JM4)
6840.0	E10	//9130 EZI USB	11/09/1999 Sat	0100	(JM4)
		t-storm QRN			
6840.0	E10	EZI USB	13/09/1999 Mon	0100	(JM4)
6840.0	E10	//9130 EZI USB	14/09/1999 Tue	0100	(JM4)
6840.0	E10	//9130 EZI weak USB	15/09/1999 Wed	0100	(JM4)
6840.0	E10	EZI two mess USB	20/09/1999 Mon	0100	(JM4)
		#1(20)QYNMQ #2(58)CPSZV			
6840.0	E10	EZI 19 GICXD USB	21/09/1999 Tue	2230	(GG)
6840.0	E10	//9130 EZI USB	22/09/1999 Wed	0100	(JM4)
		#1(58)CPSZV #2(58)LKTRF			
6840.0	E10	EZI 2 msgs: 58 USB	24/09/1999 Fri	0100	(GG)
		CPSZV/58 LKTRF			
6840.0	E10	//9130 EZI USB	24/09/1999 Fri	0100	(JM4)
		#1(58)CPSZV #2(58)LKTRF			
6840.0	E10	//9130 EZI USB	26/09/1999 Sun	0100	(JM4)
		#1(58)CPSZV #2(58)LKTRF			
6840.0	E10	EZI USB	27/09/1999 Mon	0100	(JM4)
6840.0	E10	//9130 EZI USB	30/09/1999 Thu	0100	(JM4)
6840.0	M03	216/00 CW	09/09/1999 Thu	1030	(ANUK)
6847.0	QBC7	Unid. CW	22/09/1999 Wed	1036	(ALF)
6848.0	E06	805-142/68 AM	19/09/1999 Sun	2015	(JE)
6850.0	E06	1x805 ; 20.15 AM	05/09/1999 Sun	2005	(JE)
		805 5min; 794/112			
6850.0	E06	Russian Man at USB	06/09/1999 Mon	2003	(JE)
		2003, 2005, 2015 and 2020 utc. 1st and last #'s			
6855.0	V02a	in progress AM	06/09/1999 Mon	0300	(JM4)
6855.0	V02a	A 65642 32263 AM	20/09/1999 Mon	0300	(JM4)
		45523			
6855.0	V02a	unreadable due to AM	22/09/1999 Wed	1600	(JM4)

		static QRN				
6880.0	M13	254 = 190 21 =	CW	01/09/1999	Wed	2100 (ANUK)
6880.0	M13	254 = 190 21 =	CW	15/09/1999	Wed	2100 (ANUK)
6883.0	M13	254 = 190 21 =	CW	02/09/1999	Thu	2100 (VM)
6900	E03	40922, //11545, 10426		04/09/1999	Sat	2000 (HFD)
6915.0	M12	257x3 1 6248 141	CW	08/09/1999	Wed	1940 (ANUK)
6934.0	M12	658x3 1 1596 142	CW	01/09/1999	Wed	2000 (ANUK)
		2020/5888 2040/4848				
6934.0	M12	658x3 1 3029 141	CW	04/09/1999	Sat	2000 (ANUK)
		2020/5888 2040/4848				
6934.0	M12	658x3 1 7711 135	CW	11/09/1999	Sat	2000 (ANUK)
		2020/5888 2040/4848				
6934.0	M12	658x3 1 2536 137	CW	15/09/1999	Wed	2000 (ANUK)
		2020/5888 2040/4848				
6934.0	M12	658x3 1 9580 138	CW	18/09/1999	Sat	2000 (ANUK)
		2020/5888 2040/4848				
6934.0	M12	658x3 1 4872 140	CW	22/09/1999	Wed	2000 (ANUK)
6934.0	M12	658x3 1 2735 140	CW	25/09/1999	Sat	2000 (ANUK)
6934.0	M12	658x3 1 1624 143	CW	29/09/1999	Wed	2000 (ANUK)
6945	S17	79032		01/09/1999	Sa	125 (HFD)
6945.0	S17C	69035	AM	01/09/1999	Wed	1250 (ANUK)
6945.0	S17C	68038	AM	05/09/1999	Sun	1250 (ANUK)
6945.0	S17C	53027	AM	07/09/1999	Tue	1250 (ANUK)
6945.0	S17C	77032 // 8190	AM	09/09/1999	Thu	1250 (ANUK)
6945.0	S17C	70032 // 8190	AM	15/09/1999	Wed	1250 (ANUK)
6945.0	S17C	79032	AM	18/09/1999	Sat	1250 (ANUK)
6945.0	S17C	77034	AM	19/09/1999	Sun	1250 (ANUK)
6945.0	S17C	78036	AM	25/09/1999	Sat	1250 (ANUK)
6945.0	S17C	85032	AM	26/09/1999	Sun	1250 (ANUK)
6945.0	S17C	77035	AM	27/09/1999	Mon	1250 (ANUK)
6945.0	S17C	93032 // 8190	AM	28/09/1999	Tue	1250 (ANUK)
6955.0	G07	Close to jammed	USB	13/09/1999	Mon	2000 (JJ)
		Linc Poacher on 6959.0				
6957	E07	319 1 1412 41		01/09/1999	Wed	2040 (HFD)
		77934 05526 0.432				
6957	G07	359 1, 8045 103,		06/09/1999	Mon	2010 (HFD)
		55887 02058 61455				
6957.0	G07	359x3 000	AM	13/09/1999	Mon	2010 (ANUK)
6957.0	G07	359x3 1 8496 217	AM	20/09/1999	Mon	2010 (ANUK)
6957.0	G07	359x3 1 8496 217	AM	27/09/1999	Mon	2010 (ANUK)
6957.0	G07	YL/GG/5FG.	USB	27/09/1999	Mon	2025 (TW)
6958.0	E07	319x3 1 1412 41	AM	01/09/1999	Wed	2040 (ANUK)
		New frequency				
6958.0	G07	in progress	AM	06/09/1999	Mon	2016 (JE)
6958.0	G07	359x3 000	AM	13/09/1999	Mon	2010 (JE)
6959	E03	21859, //11545,9251		03/09/1999	Fri	2000 (HFD)
6959	E03	18611, //9251,5746		05/09/1999	Sun	2100 (HFD)

6959	E03	05292, //9251,5746		07/09/1999	Tue	1800	(HFD)
6959	E03	21956, //11545, 9251		09/09/1999	Thu	1900	(HFD)
6959	E03	21956, //11545, 9251		11/09/1999	Sat	2100	(HFD)
6959.0	E03	Lincs Poacher USB		04/09/1999	Sat	2200	(SD)
		YL/EE id 42999 //9251					
6959.0	E03	LP very weak, USB		12/09/1999	Sun	2100	(GH)
		[6 8]_0___ ? //9251					
6959.0	E03	Linc. Poacher. Id USB		21/09/1999	Tue	2200	(AB)
		10233.					
6960.0	M14	in progress down CW		06/09/1999	Mon	0300	(JM4)
		w/00000 T=0					
6974.5	M51	NR 78 // 7340 CW		07/09/1999	Tue	0507	(VM)
6974.5	M51	NR 88 // 7340 CW		09/09/1999	Thu	0721	(VM)
6974.5	M51	NR 19 CW		10/09/1999	Fri	0511	(VM)
6976.5	M51	NR 63 // 5907 CW		02/09/1999	Thu	2126	(VM)
6976.5	M51	NR 32 // 7340 CW		13/09/1999	Mon	0716	(VM)
6976.5	M51	NR 57 // 7340 CW		16/09/1999	Thu	0644	(VM)
6981.0	M51	NR 15 // 5334.5 CW		06/09/1999	Mon	2234	(VM)
6981.0	M51	NR 66 // 4031 CW		07/09/1999	Tue	2334	(VM)
6981.0	M51	NR 35 CW		08/09/1999	Wed	1628	(VM)
6981.0	M51	NR 44 // 5334.5 CW		09/09/1999	Thu	2224	(VM)
6982.5	M08a	in progress CW		20/09/1999	Mon	1300	(JM4)
6984.0	M51	NR 13 // 5787 CW		02/09/1999	Thu	0604	(VM)
6984.0	M51	NR 71 // 5336 CW		13/09/1999	Mon	2201	(VM)
6984.0	M51	NR 25 // 5336 CW		15/09/1999	Wed	1804	(VM)
6986.5	M08a	in progress CW		01/09/1999	Wed	1300	(JM4)
6999.0	M23	22222 = 125 125 = CW		07/09/1999	Tue	1000	(ANUK)
6999.0	M23	00000 = 27 27 = CW		08/09/1999	Wed	1000	(ANUK)
		04508 52910/85941 04508					
6999.0	M23	00000 = 30 30 = CW		09/09/1999	Thu	1000	(ANUK)
6999.0	M23	00000 = 40 40 = CW		13/09/1999	Mon	1000	(ANUK)
6999.0	M23	00000 = 26 26 = CW		14/09/1999	Tue	1000	(ANUK)
		04101 05236 / 06600 04101					
6999.0	M23	00000 = 26 26 = CW		15/09/1999	Wed	1000	(ANUK)
		03502 09597 / 31000 03502					
6999.0	M23	00000 = 50 50 = CW		17/09/1999	Fri	1007	(ANUK)
		27912 06587 / 63017 27912					
6999.0	M23	00000 = 33 33 = CW		20/09/1999	Mon	1000	(ANUK)
		19690 85502/40000 19690					
6999.0	M23	00000 = 30 30 = CW		21/09/1999	Tue	1000	(ANUK)
		34534 56765/87623 43564					
6999.0	M23	00000 = ?? ?? = CW		22/09/1999	Wed	1000	(ANUK)
		Very weak signal					
6999.0	M23	00000 = 28 28 = CW		23/09/1999	Thu	1000	(ANUK)
7250.0	M04	U R3 L0 CW		08/09/1999	Wed	0957	(ANUK)
		L0x3/93963 Week 2 CW					
7250.0	M04	U R3 L0 CW		13/09/1999	Mon	0957	(ANUK)
		L0x3/14090 Week 2 E23 schedule					

7250.0	M04	U R3 LO LOx3/14090	CW	15/09/1999	Wed	0957	(ANUK)
7337	E03	44731, //12603, 9251		05/09/1999	Sun	1800	(HFD)
7337	E03	44731, //12603, 9251		07/09/1999	Tue	2100	(HFD)
7337	E03	06750, //12603, 9251		07/09/1999	Tue	2000	(HFD)
7340.0	M51	NR 78 // 6974.5	CW	07/09/1999	Tue	0507	(VM)
7340.0	M51	NR 69 // 6974.5	CW	08/09/1999	Wed	0957	(VM)
7340.0	M51	NR 88 // 6974.5	CW	09/09/1999	Thu	0721	(VM)
7340.0	M51	NR 32 // 6976.5	CW	13/09/1999	Mon	0716	(VM)
7340.0	M51	NR 45	CW	15/09/1999	Wed	1014	(VM)
7340.0	M51	NR 57 // 6976.5	CW	16/09/1999	Thu	0644	(VM)
7373.5	M51	NR 65	CW	08/09/1999	Wed	1935	(VM)
7387.5	M51	NR 51	CW	13/09/1999	Mon	1956	(VM)
7387.5	M51	NR 44	CW	15/09/1999	Wed	1841	(VM)
7387.5	M51	NR 44	CW	16/09/1999	Thu	1536	(VM)
7420.0	M51	NR 13	CW	28/09/1999	Tue	0619	(VM)
7426.0	M13	261 = 217 24 =	CW	20/09/1999	Mon	2000	(VM)
7445	E10	CI02		09/09/1999	Thu	1945	(HFD)
7445.0	E10	VLB2	USB	26/09/1999	Sun	0445	(JM4)
7540	E10	JSR2		05/09/1999	Sun	1600	(HFD)
7555.0	V02a	A 51995 85442 65052	AM	26/09/1999	Sun	0300	(JM4)
7555.0	V02a		AM	26/09/1999	Sun	0324	(LB)
7555.0	V02a		AM	26/09/1999	Sun	0003	(LB)
7605	E10	MIW2, //6370, 5230		05/09/1999	Sun	1715	(HFD)
7636.0	M13	417 = 180 25 =	CW	13/09/1999	Mon	1900	(ANUK)
7657.0	M12	749x3 000	CW	02/09/1999	Thu	1610	(ANUK)
7657.0	M12	749x3 000	CW	03/09/1999	Fri	1610	(ANUK)
7657.0	M12	749x3 000	CW	04/09/1999	Sat	1610	(ANUK)
7657.0	M12	749x3 000	CW	05/09/1999	Sun	1610	(ANUK)
7657.0	M12	749x3 1 2261 147 1640/8173	CW	06/09/1999	Mon	1620	(ANUK)
7657.0	M12	749x3 1 2518 135	CW	07/09/1999	Tue	1620	(ANUK)
7657.0	M12	135x3 1 6248 141	CW	08/09/1999	Wed	1720	(ANUK)
7657.0	M12	749x3 1 8426 139	CW	08/09/1999	Wed	1620	(ANUK)
7657.0	M12	749x3 1 6248 141	CW	08/09/1999	Wed	1620	(ANUK)
7657.0	M12	749x3 000	CW	09/09/1999	Thu	1610	(ANUK)
7657.0	M12	749x3 000	CW	10/09/1999	Fri	1610	(ANUK)
7657.0	M12	749x3 000	CW	11/09/1999	Sat	1610	(ANUK)
7657.0	M12	749x3 000	CW	12/09/1999	Sun	1610	(ANUK)
7657.0	M12	749x3 1 2469 141 1640/8173	CW	13/09/1999	Mon	1620	(ANUK)
7657.0	M12	749x3 1 9391 144	CW	14/09/1999	Tue	1620	(ANUK)
7657.0	M12	749x3 000	CW	17/09/1999	Fri	1610	(ANUK)

7657.0	M12	749x3 000	CW	18/09/1999	Sat	1610	(ANUK)
7657.0	M12	135x3 1 8017 138	CW	20/09/1999	Mon	1720	(ANUK)
7657.0	M12	749x3 1 8017 138	CW	20/09/1999	Mon	1620	(ANUK)
		1640/8173					
7657.0	M12	749x3 1 7136 142	CW	21/09/1999	Tue	1620	(ANUK)
7657.0	M12	749x3 1 4872 140	CW	22/09/1999	Wed	1620	(ANUK)
7657.0	M12	135x3 1 4872 140	CW	22/09/1999	Wed	1820	(ANUK)
7657.0	M12	749x3 1 4872 140	CW	22/09/1999	Wed	0650	(ANUK)
7657.0	M12	749x3 000	CW	24/09/1999	Fri	1610	(ANUK)
7657.0	M12	749x3 000	CW	25/09/1999	Sat	1610	(ANUK)
7657.0	M12	749x3 000	CW	26/09/1999	Sun	1610	(ANUK)
7657.0	M12	749x3 1 1343 144	CW	27/09/1999	Mon	1620	(ANUK)
7657.0	M12	749x3 1 7125 143	CW	28/09/1999	Tue	1620	(ANUK)
7657.0	M12	749x3 1 1624 143	CW	29/09/1999	Wed	1620	(ANUK)
7657.0	M12	749x3 000	CW	30/09/1999	Thu	1610	(ANUK)
7726.0	V02a	in progress	AM	12/09/1999	Sun	0507	(PR)
7726.0	V02a	In prog; 3 finals	AM	19/09/1999	Sun	0536	(GH)
7726.0	V02a	A 00564 32213	AM	26/09/1999	Sun	0500	(JM4)
		61481					
7745.0		Messages	CW	25/09/1999	Sat	0140	(JM4)
		seperated by 2/BT`s. T=0, went down w/000.					
7745.0		unid 5FG T=0 down	CW	26/09/1999	Sun	0140	(JM4)
		w/TTT					
7755.0	E03	id 78715	USB	28/09/1999	Tue	1500	(GG)
7760.0	E10	ULX (30) AAVIJ	USB	01/09/1999	Wed	0100	(JM4)
		(9) UIKOT					
7760.0	E10	ULX	USB	02/09/1999	Thu	0100	(JM4)
7760.0	E10	ULX 2 msgs: 30	USB	02/09/1999	Thu	0100	(GG)
		AAVIJ/9 UIKOT					
7760.0	E10	ULX	USB	06/09/1999	Mon	0100	(JM4)
7760.0	E10	ULX	USB	09/09/1999	Thu	0100	(JM4)
7760.0	E10	weak	USB	10/09/1999	Fri	0100	(JM4)
7760.0	E10	ULX t-storm QRN	USB	11/09/1999	Sat	0100	(JM4)
7760.0	E10	5LG in prog	USB	11/09/1999	Sat	0104	(GH)
7760.0	E10	//6270 ULX (37)	USB	13/09/1999	Mon	0100	(JM4)
		AH_X					
7760.0	E10	ULX (37) OHWGX	USB	14/09/1999	Tue	0100	(JM4)
7760.0	E10	ULX 37 OHWGX	USB	15/09/1999	Wed	0100	(GG)
7760.0	E10	//6270 ULX w/two	USB	15/09/1999	Wed	0100	(JM4)
		messages weak					
7760.0	E10	ULX	USB	20/09/1999	Mon	0100	(JM4)
7760.0	E10	//6270 ULX	USB	22/09/1999	Wed	0100	(JM4)
7760.0	E10	//6270 ULX (37)	USB	23/09/1999	Thu	0100	(JM4)
		OH_GX					
7760.0	E10	ULX	USB	24/09/1999	Fri	0100	(JM4)
7760.0	E10	ULX	USB	26/09/1999	Sun	0100	(JM4)
7760.0	E10	//6270 ULX	USB	27/09/1999	Mon	0100	(JM4)
		(37)OHWGX					

7760.0	E10	//6270 ULX USB	30/09/1999 Thu	0100	(JM4)
		(34)HI_KZ			
7795.0	M23	Slow morse, long CW	29/09/1999 Wed	0935	(G)
		zeros. Fading, never above QSA			
7796.0	M23	082 = 80 80 = RR CW	01/09/1999 Wed	0927	(ANUK)
		24 from 1999-01-08			
7796.0	M23	082 = 80 80 = RR CW	01/09/1999 Wed	1458	(ANUK)
		25 from 1999-01-08			
7796.0	M23	224 = 46 46 = RR CW	02/09/1999 Thu	1455	(ANUK)
		2 from 1999-08-23			
7796.0	M23	880 =80 80 = RR CW	08/09/1999 Wed	0927	(ANUK)
		19 from 1999-01-15			
7796.0	M23	406 = 43 43 = RR CW	08/09/1999 Wed	1457	(ANUK)
		19 from 1999-01-06			
7796.0	M23	080 = 32 32 = RR CW	09/09/1999 Thu	0926	(ANUK)
		22 from 1999-01-12			
7796.0	M23	082 = 40 40 = RR CW	09/09/1999 Thu	1458	(ANUK)
		24 from 1999-01-06			
7796.0	M23	802 = 32 32 = RR CW	10/09/1999 Fri	1458	(ANUK)
		18 from 1999-01-13			
7796.0	M23	406 = 43 43 = RR CW	13/09/1999 Mon	1500	(ANUK)
		20 from 1999-01-06			
7796.0	M23	IP = IMI 90 at CW	15/09/1999 Wed	1653	(ANUK)
		1658 30087 28453			
		/ 16660 31097			
7796.0	M23	880 = 80 80 = RR CW	15/09/1999 Wed	1500	(ANUK)
		20 from 1999-01-15			
7796.0	M23	666 = 57 57 = RR CW	15/09/1999 Wed	0930	(ANUK)
		25 from 1999-01-15			
7796.0	M23	66666 = 98 98 = CW	17/09/1999 Fri	1640	(ANUK)
		90941 12296 / 50000 90941			
7796.0	M23	666 = 57 57 = RR CW	20/09/1999 Mon	1459	(ANUK)
		26 from 1999-01-15			
7796.0	M23	884 = 112 112 = CW	20/09/1999 Mon	1645	(ANUK)
		57232 53505/54950 57232			
7796.0	M23	406 = 43 43 = RR CW	21/09/1999 Tue	1500	(ANUK)
		21 from 1999-01-06			
7796.0	M23	224 = 46 46 = RR CW	21/09/1999 Tue	1645	(ANUK)
		3 from 1999-08-23			
7796.0	M23	880 = 80 80 = RR CW	21/09/1999 Tue	0930	(ANUK)
		21 from 1999-01-15			
7796.0	M23	444 = 48 48 = CW	22/09/1999 Wed	1644	(ANUK)
		69306 21945/83000 69306			
7796.0	M23	080 = 32 32 = RR CW	22/09/1999 Wed	0930	(ANUK)
		23 from 1999-01-12			
7796.0	M23	680 = 42 42 = R 7 CW	22/09/1999 Wed	1558	(ANUK)
		from 15 1			
7796.0	M23	882 = 74 74 = R CW	22/09/1999 Wed	1028	(ANUK)

		7 From 30 12				
7796.0	M23	082 = 40 40 = RR CW 25 from 1999-01-06	22/09/1999	Wed	1500	(ANUK)
7796.0	M23	802 = 32 32 = RR CW 16 from 1999-01-06	23/09/1999	Thu	1500	(ANUK)
7796.0	M23	242 = 40 40 = RR CW 20 from 1999-01-13	23/09/1999	Thu	0928	(ANUK)
7796.0	M23	Call missed = 68 CW 68 = 71562 22305/20000 71562	23/09/1999	Thu	1645	(ANUK)
7796.0	M23	680 = 47 47 = RR CW 21 from 1999-01-15	24/09/1999	Fri	1500	(ANUK)
7796.0	M23	880 = 80 80 = RR CW 22 from 1999-01-15	25/09/1999	Sat	1928	(ANUK)
7796.0	M23	666 = 57 57 = RR CW 26 from 1999-01-15	25/09/1999	Sat	1828	(ANUK)
7796.0	M23	080 = 32 32 = RR CW 24 from 1999-01-12	26/09/1999	Sun	1828	(ANUK)
7796.0	M23	082 = 40 40 = RR CW 26 from 1999-01-06	26/09/1999	Sun	1927	(ANUK)
7796.0	M23	882 = ?? ?? = CW	27/09/1999	Mon	0930	(ANUK)
7796.0	M23	666 = 57 57 = RR CW 27 from 1999-01-15	27/09/1999	Mon	1500	(ANUK)
7796.0	M23	268 = 35 35 = CW 18005 18385 / 39300 18005	27/09/1999	Mon	1828	(ANUK)
7796.0	M23	486 = 28 28 = CW 16504 08000 / 47590 16504	27/09/1999	Mon	1859	(ANUK)
7796.0	M23	240 = 25 25 = CW 17903 10100 / 19100 17903	27/09/1999	Mon	1800	(ANUK)
7796.0	M23	240 = 25 25 = RR CW 2 from 1999-09-27	28/09/1999	Tue	1828	(ANUK)
7796.0	M23	426 = 29 29 = CW 15704 72554 / 66000 15704	28/09/1999	Tue	1858	(ANUK)
7796.0	M23	482 = 47 47 = CW 26906 77757 / 61160 26909	29/09/1999	Wed	0930	(ANUK)
7796.0	M23	426 = 31 31 = CW 20204 83219 / 00000 20204	29/09/1999	Wed	1829	(ANUK)
7796.0	M23	486 = 29 29 = CW 20402 09327 / 33960 20402	29/09/1999	Wed	1859	(ANUK)
7796.0	M23	486 = 28 28 = RR 2 CW from 1999-09-27	29/09/1999	Wed	1759	(ANUK)
7811	E10	SYN2, //5530	11/09/1999	Sat	1645	(HFD)
7887.0	V02a	A 51995 85442 AM 65052	26/09/1999	Sun	0200	(JM4)
7918	E10	YHF, msg, //10648	05/09/1999	Sun	1600	(HFD)
7918.0	E10	YHF (86) PBONY USB (?) ?????	01/09/1999	Wed	0200	(JM4)
7918.0	E10	YHF 91 CGIRT USB	01/09/1999	Wed	0230	(GG)
7918.0	E10	YHF USB	02/09/1999	Thu	0200	(JM4)

7918.0	E10	YHF	USB	02/09/1999	Thu	0230	(JM4)
7918.0	E10	91 CGIRT	USB	02/09/1999	Thu	0230	(GG)
7918.0	E10	YHF	USB	04/09/1999	Sat	0230	(JM4)
7918.0	E10	YHF	USB	04/09/1999	Sat	0200	(JM4)
7918.0	E10	YHF (91) CGIRT	USB	06/09/1999	Mon	0230	(JM4)
7918.0	E10	YHF2	USB	06/09/1999	Mon	0200	(JM4)
7918.0	E10	YHF (91) CGIRT	USB	07/09/1999	Tue	0230	(JM4)
7918.0	E10	YHF2	USB	09/09/1999	Thu	0200	(JM4)
7918.0	E10	YHF2	USB	10/09/1999	Fri	0200	(JM4)
7918.0	E10	YHF2	USB	11/09/1999	Sat	0200	(JM4)
7918.0	E10	YHF 27 ZGYMV	USB	11/09/1999	Sat	0430	(GG)
7918.0	E10	YHF2	USB	14/09/1999	Tue	0200	(JM4)
7918.0	E10	YHF 27 ZGYMV	USB	14/09/1999	Tue	0430	(GG)
7918.0	E10	YHF	USB	20/09/1999	Mon	0200	(JM4)
7918.0	E10	weak	USB	21/09/1999	Tue	0200	(JM4)
7918.0	E10	YHF (42) Z_A_G	USB	21/09/1999	Tue	0230	(JM4)
7918.0	E10	YHF 19 FWAMU	USB	22/09/1999	Wed	0200	(GG)
7918.0	E10	YHF (42)ZJAVG	USB	22/09/1999	Wed	0230	(JM4)
7918.0	E10	YHF 59 LVTID	USB	22/09/1999	Wed	0430	(GG)
7918.0	E10	YHF (19)FWAMV	USB	22/09/1999	Wed	0200	(JM4)
7918.0	E10	YHF 59 LVTID	USB	23/09/1999	Thu	0430	(GG)
7918.0	E10	YHF weak	USB	23/09/1999	Thu	0230	(JM4)
7918.0	E10	YHF (19) FWOMU	USB	23/09/1999	Thu	0200	(JM4)
7918.0	E10	YHF 19 FWAMU	USB	23/09/1999	Thu	0200	(GG)
7918.0	E10	YHF 19 FWAMU	USB	25/09/1999	Sat	0200	(GG)
7918.0	E10	//10648 YHF	USB	26/09/1999	Sun	0430	(JM4)
		#1(23)MGSHZ #2(6)NXHXE					
7918.0	E10	YHF (19)FWAMU	USB	26/09/1999	Sun	0200	(JM4)
7918.0	E10	YHF (42)ZQXVG	USB	26/09/1999	Sun	0230	(JM4)
7918.0	E10	YHF (19)FWAMU	USB	27/09/1999	Mon	0200	(JM4)
7918.0	E10	YHF #1(42)ZQXYG	USB	27/09/1999	Mon	0230	(JM4)
		#2(39)GQ_F0					
7918.0	E10	YHF 2 msgs: 42	USB	27/09/1999	Mon	0230	(GG)
		?????/ 39 GQWPX					
7918.0	E10	YHF 2 msgs: 86	USB	28/09/1999	Tue	1800	(GG)
		RTDJH/53 ?yDGN					
7918.0	E10	YHF 2 msgs: 42	USB	28/09/1999	Tue	0230	(GG)
		ZJEVG/39 GQWPX					
7918.0	E10	YHF 54 WWWJS	USB	28/09/1999	Tue	1607	(GG)
7918.0	E10	YHF (19)FWOMU	USB	30/09/1999	Thu	0200	(JM4)
7918.0	E10	YHF (84?) H_NFM	USB	30/09/1999	Thu	0230	(JM4)
7918.0	E10a	YHF2	USB	15/09/1999	Wed	0200	(GG)
7930.0	M12	257x3 1 6248 141	CW	08/09/1999	Wed	1920	(ANUK)
7966.0	M13	448 = 180 21 =	CW	10/09/1999	Fri	1700	(ANUK)
7966.0	M13	448 = 180 21 =	CW	10/09/1999	Fri	1500	(ANUK)
7966.0	M13	448 = 180 21 =	CW	23/09/1999	Thu	1700	(ANUK)
7966.0	M13	448 = 180 21 =	CW	23/09/1999	Thu	1500	(ANUK)
7966.0	M39	IDs 764 198 and	CW	15/09/1999	Wed	1304	(ANUK)

		554 //7219					
8033.0	M03	508/00	CW	01/09/1999	Wed	0730	(ANUK)
8033.0	M03	508/00	CW	08/09/1999	Wed	0730	(ANUK)
8033.0	M03	508/00 MCW	CW	15/09/1999	Wed	0730	(ANUK)
8033.0	M03	508/00	CW	22/09/1999	Wed	0730	(ANUK)
8033.0	M03	508/00	CW	29/09/1999	Wed	0730	(ANUK)
8043.0	M51	NR 64 // 5224	CW	03/09/1999	Fri	0654	(VM)
8065.0	M13	417 = 179 22 =	CW	08/09/1999	Wed	1900	(ANUK)
8085.0	E05	3/2 in progress.	USB	26/09/1999	Sun	0400	(JM4)
		Went down by :22.					
8085.0	E05	3/2FG in progress	AM	26/09/1999	Sun	0400	(JM4)
8091.0	S17C	75035	AM	24/09/1999	Fri	1250	(ANUK)
8097.0	M08	50812 98241 63262	CW	08/09/1999	Wed	0800	(ANUK)
8097.0	M08	62431 98243 36181	CW	10/09/1999	Fri	0800	(ANUK)
8097.0	M08	93581 11833 96931	CW	13/09/1999	Mon	0800	(ANUK)
8097.0	M08	93583 61002 96933	CW	15/09/1999	Wed	0800	(ANUK)
8097.0	M08	74961 44001 71582	CW	17/09/1999	Fri	0800	(ANUK)
8097.0	M08	74964 44044 26841	CW	20/09/1999	Mon	0800	(ANUK)
8097.0	M08	38194 59294 71781	CW	22/09/1999	Wed	0800	(ANUK)
8097.0	M08	53411 11421 46023	CW	24/09/1999	Fri	0800	(ANUK)
8097.0	M08	92993 71523 98011	CW	29/09/1999	Wed	0800	(ANUK)
8097.0	V02a	Atencion 55931	AM	01/09/1999	Wed	0610	(GH)
		26992 81522, 3 finals; nb late start					
8097.0	V02a	Atencion 55933	AM	15/09/1999	Wed	0610	(GH)
		31021 65641, nb late start					
8127	E10	SYN2, //6745		18/09/1999	Sat	2145	(HFD)
8127.0	E10a	CI02	USB	27/09/1999	Mon	1345	(GG)
8136.0	M08	50813 98242 63263	CW	09/09/1999	Thu	0800	(ANUK)
8136.0	M08	82432 01181 36182	CW	11/09/1999	Sat	0800	(ANUK)
8136.0	M08	82433 01182 36183	CW	12/09/1999	Sun	0800	(ANUK)
8136.0	M08	93582 61001 96932	CW	14/09/1999	Tue	0800	(ANUK)
8136.0	M08	74963 44003 71584	CW	19/09/1999	Sun	0800	(ANUK)
8136.0	M08	????? 34013 46031	CW	23/09/1999	Thu	0800	(ANUK)
8136.0	M08	53412 11422 46033	CW	25/09/1999	Sat	0800	(ANUK)
8136.0	M08	03021 16141 89063	CW	30/09/1999	Thu	0800	(ANUK)
8173.0	M12	135x3 1 6248 141	CW	08/09/1999	Wed	1740	(ANUK)
8173.0	M12	749x3 1 4872 140	CW	22/09/1999	Wed	0710	(ANUK)
8175.0	M10	In progress	CW	27/09/1999	Mon	2211	(VM)
8175.0	S07	411x3 1 3240 154	AM	21/09/1999	Tue	2120	(ANUK)
8187.0	M03	624/00 Change of	CW	11/09/1999	Sat	0800	(ANUK)
		frequency					
8187.0	M03	624/00	CW	18/09/1999	Sat	0800	(ANUK)
8187.0	M03	624/00	CW	25/09/1999	Sat	0800	(ANUK)
8188.0	E23	80490 60362 68787	USB	06/09/1999	Mon	1200	(ANUK)
8188.0	E23	90763 14535 29537	USB	22/09/1999	Wed	1157	(ANUK)
8188.0	E23	39755 07171 87461	AM	27/09/1999	Mon	0957	(ANUK)
		Week 4 AM					
8188.0	M04	U R3 L0	CW	08/09/1999	Wed	1157	(ANUK)

Frequency	Mode	Details	Time	Day	Power	Notes
8188.0	M04	LOX3/93963 U R3 L0	CW	13/09/1999	Mon	1157 (ANUK)
8190.0	E07	LOx3/14090 319 null message	AM	06/09/1999	Mon	2010 (JE)
8190.0	M10	555x3 127 18 801	CW	12/09/1999	Sun	1800 (ANUK)
8190.0	M10	50 555x3 127 37 801	CW	19/09/1999	Sun	1800 (ANUK)
8190.0	M10	27 555x3 127 21 801	CW	26/09/1999	Sun	1800 (ANUK)
8190.0	S17C	14 78034 Note new	AM	08/09/1999	Wed	1250 (ANUK)
8192	E07	frequency 319 1 1412 41		01/09/1999	Wed	2020 (HFD)
8192	E07	77934 05526 0.432 319 319 319 0		06/09/1999	Mon	2010 (HFD)
8193.0	E07	319 null message	AM	08/09/1999	Wed	2010 (JE)
8193.0	E07	319x3 000	AM	12/09/1999	Sun	2010 (JE)
8193.0	E07	319x3 000	AM	20/09/1999	Mon	2010 (JE)
8193.0	E07	319x3 000	AM	22/09/1999	Wed	2010 (JE)
8193.0	E07	319x3 000	AM	27/09/1999	Mon	2010 (JE)
8194.0	E07	319x3 1 1412 41	AM	01/09/1999	Wed	2020 (ANUK)
8240.0	M13	New frequency 272 = 224 25 =	CW	21/09/1999	Tue	2100 (ANUK)
8300.0	V13		AM	01/09/1999	Wed	1330 (JM4)
8300.0	V13		AM	01/09/1999	Wed	1200 (JM4)
8300.0	V13		AM	02/09/1999	Thu	1230 (JM4)
8300.0	V13	New Star YL/CC in	AM	02/09/1999	Thu	1104 (SD)
8300.0	V13	progress 4fgs				
8300.0	V13		AM	02/09/1999	Thu	1330 (JM4)
8300.0	V13		AM	02/09/1999	Thu	1200 (JM4)
8300.0	V13		AM	02/09/1999	Thu	1300 (JM4)
8300.0	V13		AM	04/09/1999	Sat	1330 (JM4)
8300.0	V13	New Star.	USB	07/09/1999	Tue	1513 (MV)
8300.0	V13	(Corrects previous incomplete				
8300.0	V13		AM	07/09/1999	Tue	1300 (JM4)
8300.0	V13		AM	20/09/1999	Mon	1300 (JM4)
8300.0	V13	NSB.	USB	21/09/1999	Tue	1212 (TS)
8300.0	V13	NSB.	USB	23/09/1999	Thu	1330 (TS)
8307.0	M23	579 // 9285	CW	06/09/1999	Mon	0800 (ANUK)
8307.0	M23	Repeat Daily				
8307.0	M23	579 // 9285	CW	06/09/1999	Mon	1400 (ANUK)
8307.0	M23	Repeat Daily				
8307.0	M23	579 // 9285	CW	12/09/1999	Sun	1400 (ANUK)
8307.0	M23	Repeat Daily				
8307.0	M23	579 // 9285	CW	12/09/1999	Sun	0800 (ANUK)
8307.0	M23	Repeat Daily				
8307.0	M23	579 // 9285	CW	19/09/1999	Sun	0802 (ANUK)
8307.0	M23	Repeat Daily				

8307.0	M23	579 // 9285	CW	19/09/1999	Sun	1402	(ANUK)
		Repeat Daily					
8307.0	M23	579 // 9285	CW	26/09/1999	Sun	0800	(ANUK)
		Repeat Daily					
8307.0	M23	579 // 9285	CW	26/09/1999	Sun	1400	(ANUK)
		Repeat Daily					
8312.0	M13	732 = 182 25 = In	CW	21/09/1999	Tue	2159	(VM)
		progress					
8375.0	V022		USB	21/09/1999	Tue	1330	(JM4)
8375.0	V022	@1300z and 1330z.	USB	21/09/1999	Tue	1300	(JM4)
8375.0	V022		USB	21/09/1999	Tue	1300	(JM4)
8464	E03	20105, //6485,		04/09/1999	Sat	1900	(HFD)
		5422					
8464	E03	05293, //11545,		05/09/1999	Sun	1600	(HFD)
		10426					
8676.0	V02	A 616/08 08/80	AM	22/09/1999	Wed	0200	(JM4)
8678.0	V02	YL/SS rptg 616/08	USB	21/09/1999	Tue	0200	(JM4)
		08/80.					
8835.0	M10E	111x3 02645x3	CW	03/09/1999	Fri	2100	(ANUK)
		20x3 New frequency					
8835.0	M10E	111x3 34626x3	CW	04/09/1999	Sat	2100	(ANUK)
		20x3					
8835.0	M10E	52342	CW	05/09/1999	Sun	2100	(ANUK)
8835.0	M10E	111x3 03838x3	CW	06/09/1999	Mon	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 41553x3	CW	07/09/1999	Tue	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 81250x3	CW	08/09/1999	Wed	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 43433x3	CW	09/09/1999	Thu	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 20669x3	CW	10/09/1999	Fri	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 20669x3	CW	11/09/1999	Sat	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 72143x3	CW	13/09/1999	Mon	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 02293x3	CW	14/09/1999	Tue	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 72740x3	CW	15/09/1999	Wed	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 11152x3	CW	17/09/1999	Fri	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 90364x3	CW	18/09/1999	Sat	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 36509x3	CW	19/09/1999	Sun	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 93732x3	CW	20/09/1999	Mon	2100	(ANUK)

		20x3					
8835.0	M10E	111x3 50760x3	CW	21/09/1999	Tue	2105	(ANUK)
		20x3 Late on					
8835.0	M10E	111x3 04423x3	CW	22/09/1999	Wed	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 36808x3	CW	24/09/1999	Fri	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 43639x3	CW	28/09/1999	Tue	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 46203x3	CW	29/09/1999	Wed	2100	(ANUK)
		20x3					
8835.0	M10E	111x3 84323x3	CW	30/09/1999	Thu	2100	(ANUK)
		20x3					
8958.0	V02a	in progress -	AM	01/09/1999	Wed	0300	(JM4)
		note new					
		frequency					
8975.0	V02	Spanish Lady	AM	09/09/1999	Thu	1002	(SD)
		YL/SS id 728 04 grp 96					
9040.0	M12	In progress.	CW	08/08/1999	Sun	2108	(AB)
9040.0	M12	257x3 1 1596 142	CW	01/09/1999	Wed	1900	(ANUK)
		1920/7930 1940/6915					
9040.0	M12	257x3 1 2261 146	CW	06/09/1999	Mon	1900	(ANUK)
9040.0	M12	257x3 1 6248 141	CW	08/09/1999	Wed	1900	(ANUK)
9040.0	M12	257x3 1 2469 141	CW	13/09/1999	Mon	1900	(ANUK)
		1920/7930 1940/6915					
9040.0	M12	257x3 1 2536 137	CW	15/09/1999	Wed	1900	(ANUK)
		1920/7930 1940/6915					
9040.0	M12	257x3 1 4872 140	CW	22/09/1999	Wed	1900	(ANUK)
9040.0	M12	275x3 1 1624 143	CW	29/09/1999	Wed	1900	(ANUK)
9055.0	M14	713-264/110	CW	18/09/1999	Sat	2000	(JE)
9062.0	M08	in progress	AM	12/09/1999	Sun	0507	(PR)
9062.5	M08a	In prog; poss.	CW	17/09/1999	Fri	0513	(GH)
		----- IIAUN -----					
9062.5	M08a?	Suddenly down	CW	12/09/1999	Sun	0517	(GH)
		:19, back :24, "AR AR AR W" & down :25, up :27,					
9063.0	M08	74963 44003 71584	CW	19/09/1999	Sun	0700	(ANUK)
9064.0	M08	82433 01182 36183	CW	12/09/1999	Sun	0709	(ANUK)
		Intro sent for 6 minutes					
9064.0	M08	50413 11423 52021	CW	26/09/1999	Sun	0700	(ANUK)
9085.0	G06	564x3 00000	AM	18/09/1999	Sat	2020	(JE)
9091.0	M12	957x3 1 579 159	CW	20/09/1999	Mon	2020	(VM)
9130.0	E10	//6840 EZI	USB	01/09/1999	Wed	0100	(JM4)
9130.0	E10	//6840 EZI (62)	USB	02/09/1999	Thu	0100	(JM4)
		MZAIM					
9130.0	E10	//6840 (62) MZAIM	USB	04/09/1999	Sat	0100	(JM4)
9130.0	E10	//6840 EZI	USB	06/09/1999	Mon	0100	(JM4)
9130.0	E10	EZI2	USB	06/09/1999	Mon	2200	(GH)
9130.0	E10	Very, very, faint	USB	06/09/1999	Mon	2200	(LB)

9130.0	E10	EZI 20 QYNMQ	USB	08/09/1999	Wed	0100	(GG)
9130.0	E10	//6840 EZI (20) QYNMQ	USB	09/09/1999	Thu	0100	(JM4)
9130.0	E10	EZI into 5LG	USB	11/09/1999	Sat	0100	(GH)
9130.0	E10	//6840 EZI t-storm QRN	USB	11/09/1999	Sat	0100	(JM4)
9130.0	E10	EZI 20 QYNMQ	USB	12/09/1999	Sun	0100	(GG)
9130.0	E10	//6840 EZI	USB	14/09/1999	Tue	0100	(JM4)
9130.0	E10	EZI 20 QYNMQ	USB	14/09/1999	Tue	0100	(GG)
9130.0	E10	//6840 EZI weak	USB	15/09/1999	Wed	0100	(JM4)
9130.0	E10	5LG in prog; gone by :24	USB	17/09/1999	Fri	0113	(GH)
9130.0	E10	EZI two mess #1(20)QYNMQ #2(58)CPSZV	USB	20/09/1999	Mon	0100	(JM4)
9130.0	E10	EZI 19 GICXD	USB	21/09/1999	Tue	2230	(GG)
9130.0	E10	//6840 EZI #1(58)CPSZV #2(58)LKTRF	USB	22/09/1999	Wed	0100	(JM4)
9130.0	E10	EZI too weak to copy	USB	24/09/1999	Fri	0730	(GG)
9130.0	E10	//6840 EZI #1(58)CPSZV #2(58)LKTRF	USB	24/09/1999	Fri	0100	(JM4)
9130.0	E10	EZI too weak to copy	USB	24/09/1999	Fri	0730	(GG)
9130.0	E10	//6840 EZI #1(58)CPSZV #2(58)LKTRF	USB	26/09/1999	Sun	0100	(JM4)
9130.0	E10	2 msgs: 58 CPSZV/58 LKTRF	USB	27/09/1999	Mon	0100	(GG)
9130.0	E10	2 msgs: 58 CPSZV/58 LKTRF	USB	27/09/1999	Mon	0100	(GG)
9130.0	E10	EZI 2 msgs: 58 CPSZV/58 LKTRF	USB	28/09/1999	Tue	0100	(GG)
9130.0	E10	//6840 EZI	USB	30/09/1999	Thu	0100	(JM4)
9130.0	E10a	EZI2	USB	01/09/1999	Wed	2200	(GG)
9130.0	E10a	EZI2	USB	02/09/1999	Thu	1730	(GG)
9130.0	E10a	EZI2	USB	02/09/1999	Thu	2200	(GG)
9130.0	E10a	EZI2	USB	28/09/1999	Tue	1930	(GG)
9153.0	M08	11132 43421 88713	CW	01/09/1999	Wed	1000	(ANUK)
9153.0	M08	07453 30493 99471	CW	01/09/1999	Wed	0700	(ANUK)
9153.0	M08	06763 63992 05532	CW	03/09/1999	Fri	0900	(ANUK)
9153.0	M08	52962 41562 99473	CW	03/09/1999	Fri	0700	(ANUK)
9153.0	M08	06461 02993 42422	CW	03/09/1999	Fri	1000	(ANUK)
9153.0	M08	61673 46552 80052	CW	06/09/1999	Mon	0900	(ANUK)
9153.0	M08	22253 94912 65933	CW	06/09/1999	Mon	0700	(ANUK)
9153.0	M08	46462 35721 70752	CW	07/09/1999	Tue	0600	(ANUK)
9153.0	M08	16533 18662 70561	CW	08/09/1999	Wed	1000	(ANUK)
9153.0	M08	No call, straight into message	CW	08/09/1999	Wed	0704	(ANUK)
9153.0	M08	50812 98241 63262	CW	08/09/1999	Wed	0700	(ANUK)

9153.0	M08	01902 65582 20272	CW	10/09/1999	Fri	1000	(ANUK)
9153.0	M08	93581 11833 96931	CW	13/09/1999	Mon	0700	(ANUK)
9153.0	M08	93583 61002 96933	CW	15/09/1999	Wed	0700	(ANUK)
9153.0	M08	17671 83771 71562	CW	15/09/1999	Wed	1000	(ANUK)
9153.0	M08	On but U/R	CW	17/09/1999	Fri	1000	(ANUK)
9153.0	M08	74961 44001 71582	CW	17/09/1999	Fri	0700	(ANUK)
9153.0	M08	74964 44004 26841	CW	20/09/1999	Mon	0700	(ANUK)
9153.0	M08	88873 03942 76673	CW	21/09/1999	Tue	0600	(ANUK)
9153.0	M08	30763 62341 51993	CW	22/09/1999	Wed	1003	(ANUK)
9153.0	M08	IP Started later	CW	22/09/1999	Wed	0728	(ANUK)
		than 0710					
9153.0	M08	No call up ?????	CW	22/09/1999	Wed	0707	(ANUK)
		34012 ?????					
9153.0	M08	91801 23992 72561	CW	22/09/1999	Wed	1000	(ANUK)
9153.0	M08	53411 11421 46032	CW	24/09/1999	Fri	0700	(ANUK)
9153.0	M08	92991 71521 50022	CW	27/09/1999	Mon	0700	(ANUK)
9153.0	M08	68512 73871 73762	CW	28/09/1999	Tue	0600	(ANUK)
9153.0	M08a	Poss. IUNRU UUTTU	CW	20/09/1999	Mon	0700	(GH)
		NRGUA; nasty buzz between	letters				
9163.0	M12	791x3 1 3602 80	CW	09/09/1999	Thu	0600	(ANUK)
9165.0	M10	In progress	CW	21/09/1999	Tue	2207	(VM)
9219	E05	094/104 14301		09/09/1999	Thu	1900	(HFD)
		16231					
9225	E06	ip		06/09/1999	Mon	2030	(HFD)
9225	E06	531 00000		13/09/1999	Mon	2010	(HFD)
9238.0	M08	06761 43303 95533	CW	01/09/1999	Wed	0900	(ANUK)
9238.0	M08	33351 41563 65931	CW	04/09/1999	Sat	0700	(ANUK)
9238.0	M08	50811 94193 63261	CW	07/09/1999	Tue	0700	(ANUK)
9238.0	M08	06312 16683 08161	CW	07/09/1999	Tue	1000	(ANUK)
9238.0	M08	49181 65552 59802	CW	08/09/1999	Wed	0900	(ANUK)
9238.0	M08	50813 98242 63263	CW	09/09/1999	Thu	0700	(ANUK)
9238.0	M08	48463 35722 70753	CW	09/09/1999	Thu	0600	(ANUK)
9238.0	M08	05081 16593 90503	CW	10/09/1999	Fri	0900	(ANUK)
9238.0	M08	82432 01181 36182	CW	11/09/1999	Sat	0700	(ANUK)
9238.0	M08	50321 85513 52843	CW	13/09/1999	Mon	0900	(ANUK)
9238.0	M08	93582 61001 96932	CW	14/09/1999	Tue	0700	(ANUK)
9238.0	M08	50323 33332 20892	CW	15/09/1999	Wed	0900	(ANUK)
9238.0	M08	25132 14231 45441	CW	17/09/1999	Fri	0900	(ANUK)
9238.0	M08	10133 19234 45544	CW	20/09/1999	Mon	0900	(ANUK)
9238.0	M08	76672 23992 06313	CW	21/09/1999	Tue	1000	(ANUK)
9238.0	M08	IP Late start	CW	21/09/1999	Tue	0708	(ANUK)
		????? ????? 26842					
9238.0	M08	????? 53554 60134	CW	22/09/1999	Wed	0900	(ANUK)
9238.0	M08	50093 21051 30971	CW	24/09/1999	Fri	0900	(ANUK)
9238.0	M08	53412 11422 46033	CW	25/09/1999	Sat	0700	(ANUK)
9238.0	M08	92972 86393 64781	CW	28/09/1999	Tue	1000	(ANUK)
9238.0	M08	92992 71522 52023	CW	28/09/1999	Tue	0700	(ANUK)
9238.0	M08	47922 29422 15433	CW	29/09/1999	Wed	0900	(ANUK)

9238.0	M08	03021 16141 89063 CW	30/09/1999 Thu	0700	(ANUK)
9238.0	M08a	In prog CW	09/09/1999 Thu	0610	(GH)
9238.0	M08a	Poss. WTGAD MGNUN CW	09/09/1999 Thu	0700	(GH)
		RDNRD			
9238.0	M08a	Poss. WRURA RATTD CW	16/09/1999 Thu	0700	(GH)
		IAWGA			
9251	E03	21859, //11545,	03/09/1999 Fri	2000	(HFD)
		6959			
9251	E03	18611, //6959,	05/09/1999 Sun	2100	(HFD)
		5746			
9251	E03	44731, //12603,	05/09/1999 Sun	1800	(HFD)
		7337			
9251	E03	06750, //12603,	07/09/1999 Tue	2000	(HFD)
		7337			
9251	E03	44731, //12603,	07/09/1999 Tue	2100	(HFD)
		7337			
9251	E03	05292, //6959,	07/09/1999 Tue	1800	(HFD)
		5746			
9251	E03	21956, //11545,	09/09/1999 Thu	1900	(HFD)
		6959			
9251	E03	21956, //11545,	11/09/1999 Sat	2100	(HFD)
		6959			
9251.0	E03	Linc Poacher, USB	08/08/1999 Sun	2100	(AB)
		CYP: id 08847.			
9251.0	E03	Lincs Poacher USB	04/09/1999 Sat	2200	(SD)
		YL/EE id 42999 //6959			
9251.0	E03	LP very weak, USB	12/09/1999 Sun	2100	(GH)
		[6 8]_0___ ? //6959			
9285.0	XW	"whales" on new	22/09/1999 Wed	0300	(JM4)
		frequency			
9325.0	M08	97271 27603 18663 CW	09/09/1999 Thu	1000	(ANUK)
9328.5	M08a	in progress CW	22/09/1999 Wed	0400	(JM4)
9330.3	M08a	In prog; poss. CW	15/09/1999 Wed	0404	(GH)
		----- RNTTD NWRAD			
9331.0	V02	Spanish Lady AM	20/09/1999 Mon	0643	(SD)
		YL/SS in progress			
9331.0	V02a	Atencion 55931 AM	01/09/1999 Wed	0505	(GH)
		26992 81522, 3 finals; nb late start			
9331.0	V02a	In prog; ----- AM	15/09/1999 Wed	0513	(GH)
		31021 65641, 3 finals, nb late start			
9333.0	V02A	87343 85292 35763 AM	06/09/1999 Mon	0600	(ANUK)
9333.0	V02A	Attencion 88021 AM	08/09/1999 Wed	0600	(ANUK)
		85911 21602			
9333.0	V02A	Attencion 21251 AM	13/09/1999 Mon	0600	(ANUK)
		85293 44561			
9333.0	V02A	Attencion 21271 AM	20/09/1999 Mon	0600	(ANUK)
		71311 54512			
9333.0	V02A	15392 73232 54433 AM	27/09/1999 Mon	0600	(ANUK)

9360.0	V02	616/03 03/34 note AM new frequency		01/09/1999 Wed	0200	(JM4)
9380.0	E07		AM	27/09/1999 Mon	0230	(MW)
9382.0	E10	YHF 2 msgs: 20 GNPJY/28 ZBDGG	USB	01/09/1999 Wed	0430	(GG)
9382.0	E10	YHF 27 ZGYMV	USB	11/09/1999 Sat	0430	(GG)
9382.0	E10	YHF 27 ZGYMV	USB	13/09/1999 Mon	0430	(GG)
9382.0	E10	YHF 59 LVTID	USB	20/09/1999 Mon	0430	(GG)
9382.0	E10	YHF 59 LVTID	USB	21/09/1999 Tue	0430	(GG)
9382.0	E10	YHF 2 msgs: 23 MGSHZ/6 NXHXE	USB	28/09/1999 Tue	0430	(GG)
9382.0	E10	YHF 54 WVVJS	USB	28/09/1999 Tue	1607	(GG)
9382.0	E10	YHF weak	USB	09/09/1999 Thu	0430	(GG)
9385.0	M13A	521x3 000 = 186 22 =	CW	08/09/1999 Wed	2000	(ANUK)
9440.0	M12	257x3 1 8426 139 1920/7930 1940/6915	CW	08/09/1999 Wed	1900	(ANUK)
9460.0	V02a?	Great carrier, barely audible YL/SS	AM	05/09/1999 Sun	0305	(GH)
9725.0	V13		AM	02/09/1999 Thu	1330	(JM4)
9725.0	V13		AM	02/09/1999 Thu	1400	(JM4)
9725.0	V13		AM	02/09/1999 Thu	1430	(JM4)
9725.0	V13		AM	02/09/1999 Thu	1300	(JM4)
9725.0	V13		AM	07/09/1999 Tue	1300	(JM4)
9814.0	M10E	111x3 25026x3 20x3 New Frequency	CW	03/09/1999 Fri	1400	(ANUK)
9814.0	M10E	111x3 16439x3 20x3	CW	06/09/1999 Mon	1400	(ANUK)
9814.0	M10E	111x3 49301x3 20x3	CW	08/09/1999 Wed	1402	(ANUK)
9814.0	M10E	111x3 01341x3 20x3	CW	10/09/1999 Fri	1400	(ANUK)
9814.0	M10E	111x3 45005x3 20x3	CW	13/09/1999 Mon	1400	(ANUK)
9814.0	M10E	111x3 32019x3 20x3	CW	15/09/1999 Wed	1400	(ANUK)
9814.0	M10E	111x3 40902x3 20x3	CW	17/09/1999 Fri	1400	(ANUK)
9814.0	M10E	111x3 34113x3 20x3	CW	20/09/1999 Mon	1400	(ANUK)
9814.0	M10E	111x3 43605x3 20x3	CW	22/09/1999 Wed	1400	(ANUK)
9814.0	M10E	111x3 40908x3 20x3	CW	24/09/1999 Fri	1400	(ANUK)
9814.0	M10E	111x3 13157x3 20x3	CW	27/09/1999 Mon	1400	(ANUK)
9814.0	M10E	111x3 25219x3 20x3	CW	29/09/1999 Wed	1400	(ANUK)

9842.0	S06	418x3 00000 Note	AM	07/09/1999	Tue	0808	(ANUK)
		odd time					
9842.0	S06	418x3 00000	AM	14/09/1999	Tue	0808	(ANUK)
9842.0	S06	418x3 00000	AM	28/09/1999	Tue	0808	(ANUK)
9940.0	M12	257x3 1 8017 138	CW	20/09/1999	Mon	1900	(ANUK)
9975.0	M13	517 = 185 22 =	CW	07/09/1999	Tue	2000	(ANUK)
9975.0	M13	517 = 185 22 =	CW	21/09/1999	Tue	1900	(ANUK)
10015	M23	320, no msg		09/09/1999	Thu	2000	(HFD)
10015.0	M23	320	CW	02/09/1999	Thu	2000	(ANUK)
10015.0	M23	320	CW	03/09/1999	Fri	2000	(ANUK)
10015.0	M23	320	CW	04/09/1999	Sat	2000	(ANUK)
10015.0	M23	320	CW	06/09/1999	Mon	2000	(ANUK)
10015.0	M23	320	CW	07/09/1999	Tue	2000	(ANUK)
10015.0	M23	320	CW	08/09/1999	Wed	2000	(ANUK)
10015.0	M23	320	CW	08/09/1999	Wed	2000	(ANUK)
10015.0	M23	320	CW	09/09/1999	Thu	2000	(ANUK)
10015.0	M23	320	CW	10/09/1999	Fri	2000	(ANUK)
10015.0	M23	320	CW	11/09/1999	Sat	2000	(ANUK)
10015.0	M23	320	CW	13/09/1999	Mon	2000	(ANUK)
10015.0	M23	320	CW	14/09/1999	Tue	2000	(ANUK)
10015.0	M23	320	CW	15/09/1999	Wed	2000	(ANUK)
10015.0	M23	320	CW	17/09/1999	Fri	2000	(ANUK)
10015.0	M23	320	CW	18/09/1999	Sat	2002	(ANUK)
10015.0	M23	320	CW	19/09/1999	Sun	2002	(ANUK)
10015.0	M23	320	CW	20/09/1999	Mon	2000	(ANUK)
10015.0	M23	320	CW	21/09/1999	Tue	2000	(ANUK)
10015.0	M23	320	CW	22/09/1999	Wed	2000	(ANUK)
10015.0	M23	320	CW	23/09/1999	Thu	2000	(ANUK)
10015.0	M23	320	CW	24/09/1999	Fri	2000	(ANUK)
10015.0	M23	320	CW	25/09/1999	Sat	2000	(ANUK)
10015.0	M23	320	CW	26/09/1999	Sun	2000	(ANUK)
10015.0	M23	320	CW	27/09/1999	Mon	2000	(ANUK)
10015.0	M23	320	CW	29/09/1999	Wed	2000	(ANUK)
10015.0	M23	320	CW	30/09/1999	Thu	2000	(ANUK)
10046.0	M22	//17050 4XZ	CW	01/09/1999	Wed	0000	(JM4)
		marker					
10046.0	M22	//17050 4XZ	CW	02/09/1999	Thu	0000	(JM4)
		marker					
10046.0	M22	//17050 4XZ	CW	04/09/1999	Sat	0100	(JM4)
		marker					
10046.0	M22	//17050 4XZ	CW	06/09/1999	Mon	0100	(JM4)
		marker					
10046.0	M22	//17050 4XZ	CW	07/09/1999	Tue	0200	(JM4)
		marker					
10046.0	M22	4XZ marker	CW	10/09/1999	Fri	0155	(JM4)
10046.0	M22	4XZ marker	CW	11/09/1999	Sat	0100	(JM4)
10046.0	M22	//17050 4XZ	CW	13/09/1999	Mon	0045	(JM4)
		marker					

10046.0	M22	4XZ marker	CW	14/09/1999	Tue	0100	(JM4)
10046.0	M22	4XZ in tfc	CW	15/09/1999	Wed	0100	(JM4)
10046.0	M22	4XZ in traffic	CW	18/09/1999	Sat	0300	(JM4)
10046.0	M22	//17050 4XZ marker	CW	20/09/1999	Mon	0100	(JM4)
10046.0	M22	//17050 4XZ in tfc	CW	21/09/1999	Tue	0215	(JM4)
10046.0	M22	4XZ in tfc	CW	22/09/1999	Wed	0115	(JM4)
10046.0	M22	4XZ marker	CW	23/09/1999	Thu	0115	(JM4)
10046.0	M22	4XZ marker	CW	24/09/1999	Fri	0115	(JM4)
10046.0	M22	//17050 4XZ marker	CW	25/09/1999	Sat	2345	(JM4)
10046.0	M22	//17050 4XZ marker	CW	27/09/1999	Mon	0150	(JM4)
10046.0	M22	4XZ marker	CW	30/09/1999	Thu	0120	(JM4)
10125	E10	KPA2		11/09/1999	Sat	1315	(HFD)
10125.0	M08	01723 29991 91444	CW	20/09/1999	Mon	1100	(ANUK)
10125.0	M08	50092 49523 96203	CW	23/09/1999	Thu	0900	(ANUK)
10125.0	M10	555x3 434 27	CW	13/09/1999	Mon	1500	(ANUK)
10125.0	M10	555x3 434 17	CW	14/09/1999	Tue	1500	(ANUK)
10125.0	M10	555x3 434 13	CW	28/09/1999	Tue	1500	(ANUK)
10125.0	V02A	Attencion 38451 38982 94173	AM	17/09/1999	Fri	0900	(ANUK)
10125.5	M08a	Poss. IIAUD NWIGN MAUUA	CW	18/09/1999	Sat	0400	(GH)
10126.0	M08a	In prog; poss. ----- GWWAA WNGUI	CW	11/09/1999	Sat	0909	(GH)
10127.0	M08	06762 63991 05331	CW	02/09/1999	Thu	0900	(ANUK)
10127.0	M08	65671 63993 05533	CW	04/09/1999	Sat	0900	(ANUK)
10127.0	M08	35731 46553 80353	CW	07/09/1999	Tue	0900	(ANUK)
10127.0	M08	35733 16592 90502	CW	09/09/1999	Thu	0900	(ANUK)
10127.0	M08	91291 01393 55482	CW	10/09/1999	Fri	1100	(ANUK)
10127.0	M08	05082 85511 52841	CW	11/09/1999	Sat	0900	(ANUK)
10127.0	M08	50322 33331 20891	CW	14/09/1999	Tue	0900	(ANUK)
10127.0	M08	10134 19521 98221	CW	21/09/1999	Tue	0900	(ANUK)
10127.0	M08	91801 23992 72561	CW	22/09/1999	Wed	1100	(ANUK)
10127.0	M08	30763 62341 51993	CW	22/09/1999	Wed	1100	(ANUK)
10127.0	M08	97993 50711 93491	CW	30/09/1999	Thu	0900	(ANUK)
10127.0	V02A	Attencion 16113 63463 94162	AM	10/09/1999	Fri	0900	(ANUK)
10145.0	S07	411x3 1 3240 154	AM	21/09/1999	Tue	2055	(ANUK)
10157.0	M10E	111x3 68362x3 20x3	CW	08/09/1999	Wed	2100	(ANUK)
10163.0	M12	351x3 1 376 311	CW	03/09/1999	Fri	1758	(ANUK)
10170.0	M14	517x3 00000	CW	28/09/1999	Tue	1930	(JE)
10175.0	M14	713-508/26	CW	03/09/1999	Fri	1900	(JE)
10177.0	M14	713-264/110	CW	18/09/1999	Sat	1900	(JE)
10234.0	M08	65672 46551 80351	CW	05/09/1999	Sun	0800	(ANUK)

10235.0	M08a	In prog; not // to 4506.5	CW	17/09/1999	Fri	0409	(GH)
10236.0	M08	05083 85512 52842	CW	12/09/1999	Sun	0800	(ANUK)
10236.0	M08	10132 19233 45543	CW	19/09/1999	Sun	0800	(ANUK)
10248	M16	vvv 8BY 270/629/ 058/532		03/09/1999	Fri	1840	(HFD)
10248	M16	vvv 8BY 992/161/ 364/434/8.8/697		06/09/1999	Mon	2040	(HFD)
10248.0	M16	//12075 8BY w/tfc list	CW	01/09/1999	Wed	0240	(JM4)
10248.0	M16	//12075//14931 8BY w/tfc list	CW	04/09/1999	Sat	0155	(JM4)
10248.0	M16	//12075//14931 8BY 395/973/237/371/1 64/914	CW	06/09/1999	Mon	0140	(JM4)
10248.0	M16	//12075//14931 8BY 594/	CW	07/09/1999	Tue	0240	(JM4)
10248.0	M16	//12075//14931 8BY 270/	CW	09/09/1999	Thu	0140	(JM4)
10248.0	M16	//12075//14931 8BY 532/	CW	10/09/1999	Fri	0150	(JM4)
10248.0	M16	//12075//14931 8BY 058/311	CW	11/09/1999	Sat	0150	(JM4)
10248.0	M16	//12075//14931 8BY weak	CW	14/09/1999	Tue	0140	(JM4)
10248.0	M16	//12075//14931 8BY tfc 116/687/161/391	CW	20/09/1999	Mon	0140	(JM4)
10248.0	M16	//12075//14931 8BY 432/077	CW	21/09/1999	Tue	0240	(JM4)
10248.0	M16	//12075//14931 8BY tfc 532/476	CW	22/09/1999	Wed	0340	(JM4)
10248.0	M16	//12075 8BY w/tfc list	CW	23/09/1999	Thu	0150	(JM4)
10248.0	M16	//12075//14931 8BY 601/353	CW	26/09/1999	Sun	0145	(JM4)
10248.0	M16	//12075//14931 8BY 219/314	CW	27/09/1999	Mon	0155	(JM4)
10317.0	V02	A 238/01 01/48 note new frequency	AM	02/09/1999	Thu	0200	(JM4)
10317.0	V02	A 238/01 01/48	AM	09/09/1999	Thu	0200	(JM4)
10317.0	V02	A 238/01 01/48	AM	23/09/1999	Thu	0200	(JM4)
10317.0	V02	A 238/01 01/43	AM	30/09/1999	Thu	0200	(JM4)
10325.0	E07	319x3 000	AM	29/09/1999	Wed	2000	(ANUK)
10327	E07	319 319 319 0		06/09/1999	Mon	2000	(HFD)
10327.0	E07	319x3 000	AM	13/09/1999	Mon	2000	(JE)
10328.0	BPA	00116	CW	24/09/1999	Fri	1520	(BR)
10328.0	E07	319x3 1 1412 41 New frequency	AM	01/09/1999	Wed	2000	(ANUK)
10328.0	E07	319x3 000	AM	06/09/1999	Mon	2000	(ANUK)

10328.0	E07	319x3 000	AM	08/09/1999	Wed	2000	(ANUK)
10328.0	E07	319x3 000	AM	15/09/1999	Wed	2000	(ANUK)
10328.0	E07	319x3 000	AM	20/09/1999	Mon	2000	(ANUK)
10328.0	E07	319x3 000	AM	22/09/1999	Wed	2000	(ANUK)
10328.0	E07	319x3 000	AM	27/09/1999	Mon	2000	(ANUK)
10352.0	E10	CI02	USB	26/09/1999	Sun	0245	(JM4)
10352.0	E10	CI02	USB	26/09/1999	Sun	0345	(JM4)
10352.0	E10	CI02	USB	27/09/1999	Mon	0145	(JM4)
10352.0	E10	//5629 CI02	USB	30/09/1999	Thu	0145	(JM4)
10352.0	E10	CI02	USB	30/09/1999	Thu	0245	(JM4)
10352.0	E10a	CI02	USB	23/09/1999	Thu	0145	(GG)
10352.0	E10a	CI02	USB	27/09/1999	Mon	1345	(GG)
10356.0	M22	//14649//18482	CW	01/09/1999	Wed	0000	(JM4)
		4XZ in tfc					
10356.0	M22	//14649 4XZ in	CW	02/09/1999	Thu	0000	(JM4)
		tfc					
10356.0	M22	//14649 4XZ in	CW	04/09/1999	Sat	0100	(JM4)
		tfc					
10356.0	M22	//14649 4XZ in	CW	06/09/1999	Mon	0100	(JM4)
		tfc					
10356.0	M22	//14649 4XZ in	CW	07/09/1999	Tue	0200	(JM4)
		tfc					
10356.0	M22	//14649 4XZ	CW	09/09/1999	Thu	0100	(JM4)
		marker					
10356.0	M22	//14649 4XZ	CW	10/09/1999	Fri	0155	(JM4)
		marker					
10356.0	M22	//14649 4XZ in	CW	11/09/1999	Sat	0100	(JM4)
		tfc					
10356.0	M22	4XZ marker	CW	13/09/1999	Mon	0045	(JM4)
10356.0	M22	4XZ marker	CW	14/09/1999	Tue	0100	(JM4)
10356.0	M22	//14649 4XZ in	CW	15/09/1999	Wed	0100	(JM4)
		tfc					
10356.0	M22	4XZ marker	CW	18/09/1999	Sat	0300	(JM4)
10356.0	M22	//14649 4XZ	CW	20/09/1999	Mon	0100	(JM4)
		marker					
10356.0	M22	4XZ marker	CW	21/09/1999	Tue	0215	(JM4)
10356.0	M22	//14649 4XZ in	CW	22/09/1999	Wed	0115	(JM4)
		tfc					
10356.0	M22	4XZ in tfc	CW	23/09/1999	Thu	0115	(JM4)
10356.0	M22	//14649 4XZ	CW	25/09/1999	Sat	2345	(JM4)
		marker					
10356.0	M22	4XZ marker	CW	30/09/1999	Thu	0120	(JM4)
10372	E07	319 1 1412 41		01/09/1999	Wed	2000	(HFD)
		77934 05526 0.432					
10390.0	M23	532	CW	10/09/1999	Fri	1900	(JE)
10390.0	M23	532	CW	18/09/1999	Sat	1902	(ANUK)
10390.0	M23	532	CW	19/09/1999	Sun	1902	(ANUK)
10390.0	M23	532	CW	20/09/1999	Mon	1906	(ANUK)

10390.0	M23	532	CW	21/09/1999	Tue	1900	(ANUK)
10423	E05	893/125 50659 03867, //15822		10/09/1999	Fri	1600	(HFD)
10423.0	E05	Very weak, //12197	USB	12/09/1999	Sun	2200	(GH)
10423.0	E05	//12197 rptg 137 Count 1_5	AM	19/09/1999	Sun	2200	(JM4)
10426	E03	40922, //11545, 6900		04/09/1999	Sat	2000	(HFD)
10426	E03	05293, //11545, 8464		05/09/1999	Sun	1600	(HFD)
10426.0	E03	Lincolnshire Poacher.	USB	07/09/1999	Tue	1512	(MV)
10426.0	E03	//12603//14487 rptg 20105	USB	13/09/1999	Mon	1400	(JM4)
10426.0	E03	//12603//14487 rptg 78715	USB	20/09/1999	Mon	1400	(JM4)
10426.0	E03	//12603//14487 rptg 78715	USB	27/09/1999	Mon	1400	(JM4)
10426.0	E03	id 78715	USB	27/09/1999	Mon	1400	(GG)
10426.0	E03	id 78715	USB	28/09/1999	Tue	1500	(GG)
10445.0	V02a	Spanish Lady, very strong signal,	AM	06/09/1999	Mon	0003	(LB)
10446.0	V02a	A 25264 33533 15841	AM	01/09/1999	Wed	0300	(JM4)
10446.0	V02a	In prog, _____ _____ 15841; not // to 4479, gone by :43	AM	01/09/1999	Wed	0325	(GH)
10446.0	V02a	Spanish Lady, very strong signal,	AM	06/09/1999	Mon	0003	(LB)
10446.0	V02a	in progress	AM	06/09/1999	Mon	0300	(JM4)
10446.0	V02a	Atencion 25269 30701 34271	AM	15/09/1999	Wed	0300	(GH)
10446.0	V02a	A 34253 58063 02304	AM	20/09/1999	Mon	0300	(JM4)
10446.0	V02a	A 51993 30502 34254	AM	22/09/1999	Wed	0300	(JM4)
10447.0	V02a	Spanish Lady, very strong signal,	AM	06/09/1999	Mon	0003	(LB)
10448.0	M08	06761 43303 95533	CW	01/09/1999	Wed	0800	(ANUK)
10448.0	M08	06763 63252 06332	CW	03/09/1999	Fri	0800	(ANUK)
10448.0	M08	22253 94912 65933	CW	06/09/1999	Mon	0800	(ANUK)
10448.0	M08	16843 18661 09611	CW	07/09/1999	Tue	1100	(ANUK)
10448.0	M08	19181 85752 59827	CW	08/09/1999	Wed	0800	(ANUK)
10448.0	M08	01992 43743 67472	CW	09/09/1999	Thu	1100	(ANUK)
10448.0	M08	50321 85513 52841	CW	13/09/1999	Mon	0800	(ANUK)
10448.0	M08	10133 19234 45544	CW	20/09/1999	Mon	0800	(ANUK)
10448.0	M08	50091 19522 98333	CW	22/09/1999	Wed	0800	(ANUK)
10448.0	M51	NR 48 to ?? Weak	CW	08/09/1999	Wed	0700	(ANUK)

Frequency	Mode	Signal	Band	Date	Day	Time	Notes
10450.0	E17	signal Rptg 839.	USB	22/09/1999	Wed	0215	(JM4)
10450.0	E17	rptg 839, then 752 752 41 41	AM	23/09/1999	Thu	0215	(JM4)
10450.0	E17	repeat of previous night broadcast	AM	24/09/1999	Fri	0215	(JM4)
10475.0	M23	160	CW	08/09/1999	Wed	1800	(ANUK)
10535.0		VVV K NR 2225T, ar ar rptd several mins.	CW	22/09/1999	Wed	1248	(AB)
10616.0	E05	Counting station is up with a test broadcast.	USB	01/09/1999	Wed	0000	(JM4)
10616.0	E05	test broadcast 123/45 234/56 345/67...	AM	02/09/1999	Thu	0000	(JM4)
10616.0	E05	YL/EE rptg 591. Test broadcast again?	USB	03/09/1999	Fri	0000	(JM4)
10616.0	E05	On both USB and AM. 123 45(pause) 0. The	USB	03/09/1999	Fri	0700	(K)
10616.0	E05	***test*** rptg 591 Count 215 123/45	AM	04/09/1999	Sat	0000	(JM4)
10616.0	E05	test broadcast rptg 591 Count 215 123/45...	AM	09/09/1999	Thu	0000	(JM4)
10616.0	E05	Test broadcast.	USB	10/09/1999	Fri	0000	(JM4)
10616.0	E05	test broadcast rptg 591 Count 215 123/45...	AM	11/09/1999	Sat	0000	(JM4)
10616.0	E05	test broadcast rptg 591 Count 215 123/45...	AM	14/09/1999	Tue	0000	(JM4)
10616.0	E05	TCS "test": rptg 591 count 215 123/45 234/56....	AM	16/09/1999	Thu	0000	(GH)
10616.0	E05	TCS "test": rptg 591 count 215 123/45 234/56....	AM	18/09/1999	Sat	0000	(GH)
10616.0	E05	*TEST* rptg 591 Count 215 123/45...	AM	18/09/1999	Sat	0000	(JM4)
10616.0	E05	Test broadcast.	USB	22/09/1999	Wed	0000	(JM4)
10616.0	E05	i/p test broadcast 123/45...	AM	23/09/1999	Thu	0000	(JM4)
10616.0	E05	test broadcast rptg 591 Count 215 123/45...	AM	30/09/1999	Thu	0000	(JM4)
10620	M040	vvv cq 747.352		17/09/1999	Fri	2000	(HFD)
10620.0	M03	503/00	CW	06/09/1999	Mon	0800	(ANUK)
10620.0	M03	503/00	CW	08/09/1999	Wed	0800	(ANUK)
10620.0	M03	503/00	CW	13/09/1999	Mon	0800	(ANUK)
10620.0	M03	503/00	CW	20/09/1999	Mon	0800	(ANUK)
10620.0	M03	503/00	CW	27/09/1999	Mon	0800	(ANUK)
10620.0	M040	CQ 747.893 HR 76	CW	02/09/1999	Thu	2000	(ANUK)
10620.0	M040	CQ 747.923 HR 17	CW	03/09/1999	Fri	0800	(ANUK)
10620.0	M040	CQ 747.893 HR 78	CW	03/09/1999	Fri	2000	(ANUK)
10620.0	M040	CQ 747.852 HR 17	CW	09/09/1999	Thu	2000	(ANUK)
10620.0	M040	CQ 747.852 HR 17	CW	10/09/1999	Fri	2000	(ANUK)

10620.0	M040	CQ 747.195 HR 44	CW	11/09/1999 Sat	2000	(ANUK)
10620.0	M040	CQ 747.195 HR 44	CW	12/09/1999 Sun	2000	(ANUK)
10620.0	M040	CQ 747.352 HR 22	CW	17/09/1999 Fri	2000	(ANUK)
10620.0	M040	CQ 747.352 HR 22	CW	18/09/1999 Sat	2000	(ANUK)
10620.0	M040	CQ 747.266 HR 27	CW	21/09/1999 Tue	2000	(ANUK)
10620.0	M040	CQ 747.266 HR 27	CW	22/09/1999 Wed	2000	(ANUK)
10620.0	M040	CQ 747.504 HR 8	CW	25/09/1999 Sat	2000	(ANUK)
10620.0	M040	CQ 747.504 HR 8	CW	26/09/1999 Sun	2000	(ANUK)
10620.0	M040	CQ 747.144 HR 31	CW	27/09/1999 Mon	2000	(ANUK)
10631.0	M42	FAPSI. 50bd In	RTTY	22/09/1999 Wed	1610	(AB)
		progress.				
10642.0	M040	CQ 747.621 HR 41	CW	14/09/1999 Tue	2000	(ANUK)
10642.0	S10E	43521 19 41249	USB	23/09/1999 Thu	1300	(ANUK)
		16 92452 18 80256 17				
10642.0	S10E	28810 15 56938	USB	24/09/1999 Fri	1300	(ANUK)
		20 84273 17 67300 16				
10642.0	S10E	88263 16 37888	USB	25/09/1999 Sat	1300	(ANUK)
		20 44451 15 7528 18				
10642.0	S10E	45899 16 52268	USB	26/09/1999 Sun	1300	(ANUK)
		18 28571 15 76007 17				
10642.0	S10E	70022 18 57516	USB	27/09/1999 Mon	1300	(ANUK)
		17 57774 16 65857 15				
10642.0	S10E	67421 17 40725	USB	28/09/1999 Tue	1300	(ANUK)
		19 99369 18 86525 16				
10648	E10	YHF, msg, //7918		05/09/1999 Sun	1600	(HFD)
10648.0	E10	YHF 2 msg 86 AM		18/09/1999 Sat	1800	(JE)
		RTDJH 53 ?				
10648.0	E10	//7918 YHF	USB	26/09/1999 Sun	0430	(JM4)
		#1(23)MGSHZ #2(6)NXHXE				
10648.0	E10	YHF 54 WVVJS	USB	27/09/1999 Mon	1600	(GG)
10648.0	E10	YHF 2 msgs: 86	USB	27/09/1999 Mon	1800	(GG)
		RTDJH/?? ?????				
10648.0	E10	YHF 2 msgs: 23	USB	27/09/1999 Mon	0430	(GG)
		MGSHZ/ ?? ?????				
10665.0	V05	//11491 rptg 631	AM	02/09/1999 Thu	0300	(JM4)
		Grupo 217				
10665.0	V05	//11491 rptg 916	AM	06/09/1999 Mon	0300	(JM4)
		Grupo ?				
10665.0	V05	//11491 rptg 916	AM	23/09/1999 Thu	0300	(JM4)
		Grupo 194				
10665.0	V05	//11491 rptg 916	AM	30/09/1999 Thu	0300	(JM4)
		Grupo 194				
10665.5	V05	//11491 rptg 916	AM	20/09/1999 Mon	0300	(JM4)
		Grupo 194				
10714.5	M08a	in progress	CW	14/09/1999 Tue	0200	(JM4)
10720.0	M03	503/00	CW	07/09/1999 Tue	0900	(ANUK)
10720.0	M03	503/00	CW	14/09/1999 Tue	0900	(ANUK)
10720.0	M03	503/00	CW	21/09/1999 Tue	0900	(ANUK)

10720.0	M03	503/00	CW	28/09/1999	Tue	0900	(ANUK)
10728.0	E07	174x3 000	AM	08/09/1999	Wed	2010	(ANUK)
10767.0	M42	FAPSI. 75bd Msgs RTTY to NOB on link 70004		22/09/1999	Wed	1545	(AB)
10767.0	M42	FAPSI. 75bd Msgs RTTY to BFR on link 00030		22/09/1999	Wed	1500	(AB)
10774.0	E07	English Man, RUS; AM 172 000.		31/05/1999	Mon	2010	(AB)
10815.0	E06	325x3 00000	AM	10/09/1999	Fri	2030	(JE)
10815.0	M42	FAPSI. Mazielka RTTY (selcall), no message followed.		22/09/1999	Wed	1647	(AB)
10830	E06	ip		07/09/1999	Tue	2030	(HFD)
10834.0	E06	705 438 438 251 AM 251 = =		07/09/1999	Tue	2000	(ANUK)
10836.0	E06	Call missed		06/09/1999	Mon	2006	(ANUK)
10837.0	E06	705x3 00000	AM	20/09/1999	Mon	2000	(JE)
10838.0	E06	IP Call missed	AM	06/09/1999	Mon	2035	(ANUK)
10839	E06	705, 438 251, 63303 32082 58062.		06/09/1999	Mon	2010	(HFD)
10858.0		1215z in progress CW till 1236z.		04/09/1999	Sat	1215	(AD)
10863.0	E17	//14540!! rptg AM 398 then 547 547 102 102		02/09/1999	Thu	0200	(JM4)
10863.0	E17	in progress AM w/modulation problems		02/09/1999	Thu	0300	(JM4)
10887	V07	407 407 407 0		03/09/1999	Fri	2010	(HFD)
10887.0	V07	407x3 000	AM	10/09/1999	Fri	2010	(JE)
10888.0	V07	407x3 000	AM	24/09/1999	Fri	2010	(JE)
10920.0	S06	265x3 00000	AM	11/09/1999	Sat	1800	(JE)
10920.0	S06	265-904/81	AM	25/09/1999	Sat	1800	(JE)
10922.0	M10	555x3 127 18 801 CW 50		11/09/1999	Sat	0700	(ANUK)
10922.0	M10	555x3 127 12 801 CW 49		18/09/1999	Sat	0700	(ANUK)
10922.0	M10	555x3 127 21 801 CW 14		25/09/1999	Sat	0700	(ANUK)
10970.0	XPH		AM	17/09/1999	Fri	2100	(JE)
10982.0	M13	261 = 217 24 =	CW	19/09/1999	Sun	1900	(ANUK)
10982.0	M13	261 = 217 24 =	CW	19/09/1999	Sun	2000	(ANUK)
11072	E05	063/75 13038 92464, //13465		05/09/1999	Sun	1800	(HFD)
11144.0	E17	in progress down AM w/160 160 95 95 00000		06/09/1999	Mon	0200	(JM4)
11144.0	E17	L/EE, came up w/a USB 95 group message		06/09/1999	Mon	0200	(JM4)
11144.0	E17	repeat of prior AM nights broadcast		07/09/1999	Tue	0200	(JM4)
11144.0	E17	rptg 735 w/repeat AM		21/09/1999	Tue	0200	(JM4)

Time	Mode	Frequency	Power	Modulation	Date	Day	Time	Location
11148.0	E17	160 95 95 00000	AM		20/09/1999	Mon	0200	(JM4)
11148.0	E17	W/a 95 5FGx2	USB		20/09/1999	Mon	0200	(JM4)
11160.0	M12	302x3 000	CW		10/09/1999	Fri	2030	(JE)
11160.0	M12	302x3 000	CW		24/09/1999	Fri	2030	(JE)
11209.0	XW	whales			02/09/1999	Thu	1400	(JM4)
11209.0	XW	Whales			10/09/1999	Fri	0200	(JM4)
11209.0	XW	whales			13/09/1999	Mon	2300	(JM4)
11209.0	XW	"whales"			17/09/1999	Fri	1400	(JM4)
11388.0	M10E	111x3 31555x3	CW		08/09/1999	Wed	1400	(ANUK)
11427.0	G06	609x3 00000	AM		06/09/1999	Mon	1900	(ANUK)
11430.0	G06	308 null message	AM		06/09/1999	Mon	1900	(JE)
11430.0	V13		AM		01/09/1999	Wed	1200	(JM4)
11430.0	V13		AM		02/09/1999	Thu	1300	(JM4)
11430.0	V13		AM		02/09/1999	Thu	1330	(JM4)
11430.0	V13		AM		02/09/1999	Thu	1200	(JM4)
11430.0	V13		AM		04/09/1999	Sat	1400	(JM4)
11430.0	V13		AM		04/09/1999	Sat	1330	(JM4)
11430.0	V13		AM		04/09/1999	Sat	1300	(JM4)
11430.0	V13		AM		07/09/1999	Tue	1300	(JM4)
11430.0	V13		AM		08/09/1999	Wed	1300	(JM4)
11432.0	M08a	Poss. DWADD ARWMN	CW		09/09/1999	Thu	0800	(GH)
11433.0	M08	06762 63991 05331	CW		02/09/1999	Thu	0800	(ANUK)
11433.0	M08	65671 63993 05533	CW		04/09/1999	Sat	0800	(ANUK)
11433.0	M08	35731 46553 80353	CW		07/09/1999	Tue	0800	(ANUK)
11433.0	M08	35733 16592 90502	CW		09/09/1999	Thu	0800	(ANUK)
11433.0	M08	05082 85511 52841	CW		11/09/1999	Sat	0800	(ANUK)
11433.0	M08	50322 33331 20891	CW		14/09/1999	Tue	0800	(ANUK)
11433.0	M08	10134 19521 98221	CW		21/09/1999	Tue	0800	(ANUK)
11433.0	M08	47991 20042 55492	CW		28/09/1999	Tue	0800	(ANUK)
11433.0	M08	97993 50711 93491	CW		30/09/1999	Thu	0800	(ANUK)
11480.0	XPH	314x3 1 ???? ???	AM		03/09/1999	Fri	2040	(ANUK)
11480.0	XPH		AM		21/09/1999	Tue	2040	(JJ)
11480.0	XPH		AM		21/09/1999	Tue	2040	(CD)
11483	XPH				03/09/1999	Fri	2040	(HFD)
11483	XPH				07/09/1999	Tue	2040	(HFD)
11490.0	S07	411 null message	AM		07/09/1999	Tue	2030	(JE)
11490.0	S07	Very faint.	USB		14/09/1999	Tue	2030	(JJ)
11490.0	S07	Full TX.	AM		21/09/1999	Tue	2030	(JJ)
11490.0	S07	000 000 ending	AM		21/09/1999	Tue	2030	(CD)
11490.0	S07	411x3 1 3240 154	AM		21/09/1999	Tue	2030	(ANUK)
11490.0	S07	415x3 000	AM		28/09/1999	Tue	2030	(ANUK)
11491	E05	Rptg 141, count	USB		12/09/1999	Sun	2000	(GH)
		poss. 1130						

11491.0	V05	//10665 rptg 631 AM	02/09/1999 Thu	0300	(JM4)
		Grupo 217			
11491.0	V05	//10665 rptg 916 AM	06/09/1999 Mon	0300	(JM4)
		Grupo ?			
11491.0	V05	//10665.5 rptg AM	20/09/1999 Mon	0300	(JM4)
		916 Grupo 194			
11491.0	V05	//10665 rptg 916 AM	23/09/1999 Thu	0300	(JM4)
		Grupo 194			
11491.0	V05	//10665 rptg 916 AM	30/09/1999 Thu	0300	(JM4)
		Grupo 194			
11509.0	E06	in progress AM	24/09/1999 Fri	2033	(JE)
		457/109			
11516.0	M13	714 = 180 20 = CW	24/09/1999 Fri	2000	(ANUK)
11524.0	V02a	extremely weak AM	29/09/1999 Wed	1500	(JM4)
11540.0	V07	609x3 000 AM	13/09/1999 Mon	2010	(ANUK)
11545	E03	40922, //15682, 13375	03/09/1999 Fri	1900	(HFD)
11545	E03	18611, //16084, 13375	03/09/1999 Fri	1700	(HFD)
11545	E03	21859, //9251, 6959	03/09/1999 Fri	2000	(HFD)
11545	E03	40922, //10426, 6900	04/09/1999 Sat	2000	(HFD)
11545	E03	05293, //10426, 8464	05/09/1999 Sun	1600	(HFD)
11545	E03	21956, //9251, 6959	09/09/1999 Thu	1900	(HFD)
11545	E03	03586, //13375, 12603	10/09/1999 Fri	1600	(HFD)
11545	E03	21956, //9251, 6959	11/09/1999 Sat	2100	(HFD)
11545	E03	18611, //16084, 13375	11/09/1999 Sat	1800	(HFD)
11545	E03	06750, //13375, 12603	11/09/1999 Sat	1500	(HFD)
11545	E03	06750, //13375, 12603	12/09/1999 Sun	1700	(HFD)
11545.0		42999x4, jingle, USB	06/09/1999 Mon	1600	(D0)
		42999x3, jingle, 2 tones, and message.			
11545.0	E03	//14487//16084 USB	01/09/1999 Wed	1500	(JM4)
		weak			
11545.0	E03	//12603//13375 USB	02/09/1999 Thu	1500	(JM4)
		rptg 03586			
11545.0	E03	//12603//13375 USB	03/09/1999 Fri	1500	(JM4)
		rptg 44731			
11545.0	E03	//14487 rptg USB	04/09/1999 Sat	1400	(JM4)
		05292			
11545.0	E03	calling 03586 USB	06/09/1999 Mon	2100	(FVG)

11545.0	E03	//14487//15682 rptg 40922	USB	12/09/1999 Sun	1400	(JM4)
11545.0	E03	//13375//15682 rptg 4092_ weak	USB	13/09/1999 Mon	1500	(JM4)
11545.0	E03	//12603//13375 weak	USB	17/09/1999 Fri	1500	(JM4)
11545.0	E03	//14487//16084 rptg 87394	USB	29/09/1999 Wed	1500	(JM4)
11563.0	M12	351x3 1 376 311	CW	03/09/1999 Fri	1728	(ANUK)
11565	E10	EZI, smg, //6840		05/09/1999 Sun	1930	(HFD)
11566.0	V02a	A 25268 96512 60842	AM	10/09/1999 Fri	0300	(JM4)
11634.0	XPB	648x3 1 02658 00147 5fg	CW	03/09/1999 Fri	0600	(VM)
11634.0	XPB	648x3 1 00171 00139	AM	07/09/1999 Tue	0559	(VM)
11634.0	XPB	648x3 1 00287 00215	AM	17/09/1999 Fri	0600	(VM)
11634.0	XPB	648x3 1 282 Groups	AM	24/09/1999 Fri	0600	(ANUK)
11634.0	XPB	648x3 1 03896 00191 (Second message omitted)	AM	28/09/1999 Tue	0600	(VM)
11635.0	XPB	648x3 1 ???? ??? Ap 135 Groups	AM	03/09/1999 Fri	0600	(ANUK)
11635.0	XPB	648x3 1 ???? Ap 140 0620/13435 0640/14835	AM	07/09/1999 Tue	0600	(ANUK)
11635.0	XPB	648x3 1 214 Groups 0620/13435 0640/14835	AM	17/09/1999 Fri	0600	(ANUK)
11635.0	XPB	High Pitched Polytone in progress	AM	21/09/1999 Tue	0602	(SD)
11635.0	XPB	648x3 1 299 Groups	AM	21/09/1999 Tue	0600	(ANUK)
11635.0	XPB	648x3 1 176 Groups	AM	28/09/1999 Tue	0600	(ANUK)
12070.0	M12	302x3 000	CW	17/09/1999 Fri	2030	(ANUK)
12075	M16	vvv 8BY 999/371/ 673/153/993		12/09/1999 Sun	0840	(HFD)
12075.0	M16	//10248 8BY w/tfc list	CW	01/09/1999 Wed	0240	(JM4)
12075.0	M16	//10248//14931 8BY w/tfc list	CW	04/09/1999 Sat	0155	(JM4)
12075.0	M16	//10248//14931 8BY 395/973/237/371/164/914	CW	06/09/1999 Mon	0140	(JM4)
12075.0	M16	//10248//14931 8BY 594/	CW	07/09/1999 Tue	0240	(JM4)
12075.0	M16	//10248//14931 8BY 270/	CW	09/09/1999 Thu	0140	(JM4)
12075.0	M16	//10248//14931	CW	10/09/1999 Fri	0150	(JM4)

		8BY 532/391/682/906/381/973					
12075.0	M16	//10248//14931	CW	11/09/1999	Sat	0150	(JM4)
		8BY 058/311					
12075.0	M16	//10248//14931	CW	14/09/1999	Tue	0140	(JM4)
		8BY weak					
12075.0	M16	//10248//14931	CW	20/09/1999	Mon	0140	(JM4)
		8BY tfc 116/687/161/391					
12075.0	M16	//10248//14931	CW	21/09/1999	Tue	0240	(JM4)
		8BY 432/077					
12075.0	M16	//10248//14931	CW	22/09/1999	Wed	0340	(JM4)
		8BY tfc 532/476					
12075.0	M16	//10248 8BY w/tfc	CW	23/09/1999	Thu	0150	(JM4)
		list					
12075.0	M16	//10248//14931	CW	26/09/1999	Sun	0145	(JM4)
		8BY 601/353					
12075.0	M16	//10248//14931	CW	27/09/1999	Mon	0155	(JM4)
		8BY 219/314					
12093.0	M08a	New.	CW	28/09/1999	Tue	1300	(JM4)
12093.5	M08a	in progress	CW	28/09/1999	Tue	1300	(JM4)
12105.0	V07	407x3 000	AM	10/09/1999	Fri	2000	(JE)
12105.0	V07	407x3 000	AM	17/09/1999	Fri	2000	(ANUK)
12105.0	V07	407x3 000	AM	24/09/1999	Fri	2000	(ANUK)
12105.0	XPH	314x3 1 ???? ???	AM	03/09/1999	Fri	2020	(ANUK)
12107	XPH			03/09/1999	Fri	2020	(HFD)
12107.0	XPH	314x3 1 02175	AM	10/09/1999	Fri	2020	(VM)
		00101					
12107.0	XPH	314x3 1 00858	AM	17/09/1999	Fri	2020	(VM)
		00127					
12107.0	XPH	314x3 00858 00127	AM	21/09/1999	Tue	2020	(VM)
12107.0	XPH	314x3 1 07529	AM	28/09/1999	Tue	2020	(VM)
		00081					
12108	XPH			07/09/1999	Tue	2020	(HFD)
12124.0	M12	941x3 1 4297 333	CW	03/09/1999	Fri	1938	(ANUK)
12124.0	M12	941x3 1 6472 277	CW	10/09/1999	Fri	1933	(ANUK)
12124.0	M12	941x3 1 3105 301	CW	24/09/1999	Fri	1934	(ANUK)
12125.0	M12	941x3 1 7328 299	CW	17/09/1999	Fri	1935	(ANUK)
12132.0	M12	963x3 1 1340 142	CW	02/09/1999	Thu	1630	(ANUK)
		1650/13543 1710/14728					
12132.0	M12	963x3 1 1340 142	CW	02/09/1999	Thu	1800	(ANUK)
		1820/13543 1840/14728					
12132.0	M12	963x3 1 2261 147	CW	06/09/1999	Mon	1800	(ANUK)
		1820/13544 1840/14728					
12132.0	M12	963x3 1 2261 147	CW	06/09/1999	Mon	1630	(ANUK)
		1650/13533 1710/14728					
12132.0	M12	963x3 1 6248 141	CW	08/09/1999	Wed	1800	(ANUK)
12132.0	M12	963x3 1 6248 141	CW	08/09/1999	Wed	1630	(ANUK)
12132.0	M12	963x3 1 8315 143	CW	09/09/1999	Thu	1630	(ANUK)
		1650/13544 1710/14728					

12132.0	M12	963x3 1 2469 141 CW 1820/13544 1840/14728	13/09/1999 Mon	1800	(ANUK)
12132.0	M12	963x3 1 8017 138 CW	20/09/1999 Mon	1800	(ANUK)
12132.0	M12	963x3 1 1343 144 CW	27/09/1999 Mon	1630	(ANUK)
12132.0	M12	963x3 1 1343 144 CW	27/09/1999 Mon	1800	(ANUK)
12132.0	M12	963x3 1 4971 139 CW	30/09/1999 Thu	1800	(ANUK)
12135.0	V02a	A 25933 54411 AM 23523	02/09/1999 Thu	0200	(JM4)
12135.0	V02a	late start - no AM call-up	09/09/1999 Thu	0200	(JM4)
12135.0	V02a	late start - no AM call-up	23/09/1999 Thu	0200	(JM4)
12135.0	V02a	A 09122 15582 AM 1801 (four digit call-up)	30/09/1999 Thu	0200	(JM4)
12165.0	V02a	in progress AM	06/09/1999 Mon	0200	(JM4)
12165.0	V02a	Atencion 96713 AM 58062 02303	13/09/1999 Mon	0200	(GH)
12165.0	V02a	A 34253 58063 AM 02304	20/09/1999 Mon	0200	(JM4)
12165.0	V02a	A 42192 58064 AM 92921	27/09/1999 Mon	0200	(JM4)
12171.0	M12	541x3 1 198 113 CW	03/09/1999 Fri	1910	(ANUK)
12172.0	E07	174x3 000 AM	08/09/1999 Wed	2000	(ANUK)
12173.0	V07	609x3 000 AM	20/09/1999 Mon	2000	(ANUK)
12174.0	V07	609x3 000 AM	06/09/1999 Mon	2000	(ANUK)
12176.0	V07	609x3 000 AM	13/09/1999 Mon	2000	(ANUK)
12180.0	V02a	A 25264 33533 AM 15841	01/09/1999 Wed	0200	(JM4)
12180.0	V02a	In prog; _____ AM 30701 34271, 3 finals, fast cinco	15/09/1999 Wed	0213	(GH)
12180.0	V02a	A 51993 30502 AM 34254	22/09/1999 Wed	0200	(JM4)
12186.0	E07	English Man, RUS; AM 172 000.	31/05/1999 Mon	2000	(AB)
12197	E05	393/133 57739 03712..., //14600	06/09/1999 Mon	2000	(HFD)
12197.0	E05	Very weak, USB //10423	12/09/1999 Sun	2200	(GH)
12197.0	E05	//10423 rptg 137 AM Count 1_5	19/09/1999 Sun	2200	(JM4)
12197.0	E05	rptg 328 Count AM 143? weak	27/09/1999 Mon	2000	(JM4)
12210.0	E06	728-346/58 AM	07/09/1999 Tue	1930	(JE)
12215.0	V02a	A 58591 53552 AM 65311	04/09/1999 Sat	0000	(JM4)
12215.0	V02a	A 25268 96512 AM 60842	10/09/1999 Fri	0200	(JM4)
12215.0	V02a	In prog; 3 finals AM	11/09/1999 Sat	0039	(GH)

12215.0	V02a	A 58592 53553 AM	11/09/1999 Sat	0000	(JM4)
		65312			
12215.0	V02a	In prog; ----- AM	17/09/1999 Fri	0218	(GH)
		----- 65641, 3 finals			
12215.0	V02a	in progress AM	18/09/1999 Sat	0000	(JM4)
12215.0	V02a	Atencion 78593 AM	18/09/1999 Sat	0000	(GH)
		92871 65313; 3 finals			
12229.0	E05	Rptg 263; count USB	06/09/1999 Mon	2200	(GH)
		poss. 127, //14432			
12295.0	M10	555x3 074 35 431 CW	03/09/1999 Fri	1100	(ANUK)
		23			
12295.0	M10	555x3 968 15 652 CW	08/09/1999 Wed	1920	(ANUK)
		20			
12300.0	M040	CQ 515.471 HR 33 CW	26/09/1999 Sun	1700	(ANUK)
12300.0	M040	CQ 515.??? Very CW	28/09/1999 Tue	1700	(ANUK)
		weak signal			
12300.0	M040	CQ 515.212 HR 24 CW	29/09/1999 Wed	1700	(ANUK)
12300.5	E05	YL/EE 591 test USB	10/09/1999 Fri	0200	(JM4)
		call up.			
12300.5	E05	rptg 591 test AM	11/09/1999 Sat	0200	(JM4)
		broadcast			
12300.5	V05	//14421 rptg 709 AM	07/09/1999 Tue	0300	(JM4)
		Grupo 220			
12300.5	V05	//14421 rptg 709 AM	11/09/1999 Sat	0300	(JM4)
		Grupo 220			
12300.5	V05	//14421 rptg 709 AM	14/09/1999 Tue	0300	(JM4)
		Grupo 220			
12300.5	V05	//14421 rptg 709 AM	18/09/1999 Sat	0300	(JM4)
		Grupo 220			
12300.5	V05	Rptg 709 grupo AM	18/09/1999 Sat	0300	(GH)
		220; rpt at :28, //14421			
12300.5	V05	//4640//5046//144 AM	21/09/1999 Tue	0300	(JM4)
		21 rptg 709 Grupo 220			
12603	E03	44731, //9251,	05/09/1999 Sun	1800	(HFD)
		7337			
12603	E03	06750, //9251,	07/09/1999 Tue	2000	(HFD)
		7337			
12603	E03	44731, //9251,	07/09/1999 Tue	2100	(HFD)
		7337			
12603	E03	03586, //13375,	10/09/1999 Fri	1600	(HFD)
		11545			
12603	E03	06750, //13375,	11/09/1999 Sat	1500	(HFD)
		11545			
12603	E03	06750, //13375,	12/09/1999 Sun	1700	(HFD)
		11545			
12603.0	E03	Linc Poacher, USB	08/08/1999 Sun	2100	(AB)
		CYP; id 08847.			
12603.0	E03	//11545//13375 USB	02/09/1999 Thu	1500	(JM4)

		rptg 03586					
12603.0	E03	//11545//13375	USB	03/09/1999	Fri	1500	(JM4)
		rptg 44731					
12603.0	E03	//10426//14487	USB	13/09/1999	Mon	1400	(JM4)
		rptg 20105					
12603.0	E03	//11545//13375	USB	17/09/1999	Fri	1500	(JM4)
12603.0	E03	//10426//14487	USB	20/09/1999	Mon	1400	(JM4)
		rptg 78715					
12603.0	E03	id 78715	USB	27/09/1999	Mon	1400	(GG)
12603.0	E03	//10426//14487	USB	27/09/1999	Mon	1400	(JM4)
		rptg 78715					
12781.0	M10E	111x3 43444x3	CW	06/09/1999	Mon	1655	(ANUK)
12781.0	M10E	111x3 01677x320x3	CW	08/09/1999	Wed	1655	(ANUK)
12781.0	M10E	111x3 24324x320x3	CW	09/09/1999	Thu	1655	(ANUK)
12781.0	M10E	111x3 31643x320x3	CW	10/09/1999	Fri	1655	(ANUK)
12781.0	M10E	111x3 32515x320x3	CW	11/09/1999	Sat	1655	(ANUK)
12781.0	M10E	IP Call missed	CW	12/09/1999	Sun	1700	(ANUK)
		111x3 ?????x320x3					
12781.0	M10E	111x3 84379x320x3	CW	13/09/1999	Mon	1655	(ANUK)
12781.0	M10E	111x3 26162x320x3	CW	14/09/1999	Tue	1655	(ANUK)
12781.0	M10E	111x3 60777x320x3	CW	17/09/1999	Fri	1655	(ANUK)
12781.0	M10E	111x3 01667x320x3	CW	19/09/1999	Sun	1655	(ANUK)
12781.0	M10E	111x3 83427x320x3	CW	20/09/1999	Mon	1655	(ANUK)
12781.0	M10E	111x3 02512x320x3	CW	21/09/1999	Tue	1655	(ANUK)
12781.0	M10E	111x3 53447x320x3	CW	22/09/1999	Wed	1655	(ANUK)
12781.0	M10E	111x3 12505x320x3	CW	23/09/1999	Thu	1655	(ANUK)
12781.0	M10E	111x3 53441x320x3	CW	24/09/1999	Fri	1655	(ANUK)
12781.0	M10E	111x3 20763x320x3	CW	25/09/1999	Sat	1655	(ANUK)
12781.0	M10E	111x3 21639x320x3	CW	26/09/1999	Sun	1655	(ANUK)
12781.0	M10E	111x3 82585x320x3	CW	27/09/1999	Mon	1655	(ANUK)
12781.0	M10E	111x3 25219x320x3	CW	29/09/1999	Wed	1655	(ANUK)
12781.0	M10E	111x3 40743x320x3	CW	30/09/1999	Thu	1655	(ANUK)
12871.0	M10E	111x3 63484x320x3	CW	15/09/1999	Wed	1655	(ANUK)
12984.0	M040	CQ 747.504 HR 8	CW	25/09/1999	Sat	2030	(ANUK)
13354.0	M12	351x3 1 5335 127	CW	24/09/1999	Fri	1700	(ANUK)
13363	XPH			03/09/1999	Fri	2000	(HFD)
13363	XPH			07/09/1999	Tue	2000	(HFD)
13363.0	M12	351x3 1 376 311	CW	03/09/1999	Fri	1700	(ANUK)
13363.0	M12	351x3 1 4047 125	CW	10/09/1999	Fri	1700	(ANUK)
		1720/11563 1740/10163					
13364.0	M12	351x3 000	CW	17/09/1999	Fri	1700	(ANUK)
		1710/11563					
13364.0	XPH	314x3 1 ????? ???	AM	03/09/1999	Fri	2000	(ANUK)
		Ap 115 Groups					
13364.0	XPH	314x3 1 ????? ???	AM	07/09/1999	Tue	2000	(ANUK)
13364.0	XPH	314x3 1 ????? 104?	AM	10/09/1999	Fri	2000	(ANUK)
13364.0	XPH	314x3 1 103	AM	14/09/1999	Tue	2000	(ANUK)
		Groups 2020/12105 2040/10480					

13364.0	XPH	314x3 000	AM	24/09/1999 Fri	2000	(ANUK)
13364.0	XPH	314x3 000	AM	24/09/1999 Fri	2000	(VM)
13365.0	XPH	314x3 1 131	AM	17/09/1999 Fri	2000	(ANUK)
		Groups				
13365.0	XPH	314x3 1 130	AM	21/09/1999 Tue	2000	(ANUK)
		Groups				
13366.0	M42	FAPSI. 100bd Msgs RTTY to POU on link 00190.		22/09/1999 Wed	1730	(AB)
13366.0	M42	FAPSI. 100bd msgs RTTY to POU on link 00190.		23/09/1999 Thu	1730	(AB)
13366.0	M42	FAPSI. 100bd Msgs RTTY to POU on link 00190.		23/09/1999 Thu	1730	(AB)
13366.0	M42	FAPSI. 100bd Msgs RTTY to POU on link 00190.		24/09/1999 Fri	1730	(AB)
13375	E03	18611, //16084, 11545		03/09/1999 Fri	1700	(HFD)
13375	E03	40922, //15682, 11545		03/09/1999 Fri	1900	(HFD)
13375	E03	03586, //12603, 11545		10/09/1999 Fri	1600	(HFD)
13375	E03	18611, //16084, 11545		11/09/1999 Sat	1800	(HFD)
13375	E03	06750, //12603, 11545		11/09/1999 Sat	1500	(HFD)
13375	E03	06750, //12603, 11545		12/09/1999 Sun	1700	(HFD)
13375.0	E03	//11545//12603 rptg 03586	USB	02/09/1999 Thu	1500	(JM4)
13375.0	E03	//11545//12603 rptg 44731	USB	03/09/1999 Fri	1500	(JM4)
13375.0	E03	Rptg 40922	USB	06/09/1999 Mon	1500	(JK)
13375.0	E03	//15682 extremely weak	USB	07/09/1999 Tue	1600	(JM4)
13375.0	E03	//11545//15682 rptg 4092_ weak	USB	13/09/1999 Mon	1500	(JM4)
13375.0	E03	//15682 rptg 40922 audio cutting in/out	USB	14/09/1999 Tue	1600	(JM4)
13375.0	E03	//11545//12603 weak	USB	17/09/1999 Fri	1500	(JM4)
13375.0	E03	rptg 04552	USB	20/09/1999 Mon	1500	(JM4)
13375.0	V02a	In prog; _____ 65313, 3 finals	AM	17/09/1999 Fri	2318	(GH)
13375.0	V02a	in progress	AM	17/09/1999 Fri	2300	(JM4)
13380.0	V02a	Atencion 41331 83693 91563, 3 finals	AM	01/09/1999 Wed	0600	(GH)
13434.0	XPH	648x3 1 02658 00147 5fg	CW	03/09/1999 Fri	0620	(VM)
13434.0	XPH	648x3 1 00171	AM	10/09/1999 Fri	0620	(VM)

		00139					
13434.0	XPH	648x3 2 1st:	AM	24/09/1999	Fri	0620	(VM)
		03896 00191					
13435.0	XPH	648x3 1 ???? ???	AM	03/09/1999	Fri	0620	(ANUK)
		Ap 135 Groups					
13435.0	XPH	648x3 000	AM	14/09/1999	Tue	0620	(ANUK)
13436.0	V02a	A 25933 54411	AM	02/09/1999	Thu	0100	(JM4)
		23523					
13436.0	V02a	A 23462 54412	AM	09/09/1999	Thu	0100	(JM4)
		64151					
13436.0	V02a	A 35983 15581	AM	23/09/1999	Thu	0100	(JM4)
		64153					
13436.0	V02a	A 09122 15582	AM	30/09/1999	Thu	0100	(JM4)
		1801 (four digit call-up)					
13444	E05	442/78 63124		11/09/1999	Sat	1800	(HFD)
		83262					
13450	E05	466/122 51929		03/09/1999	Fri	1700	(HFD)
		65389..., //14448					
13450.0	E05	//14448 in	AM	12/09/1999	Sun	1700	(JM4)
		progress					
13452.0	M42	00127 msg to JMS	CW	24/09/1999	Fri	2240	(BR)
13452.0	V05	//15651 rptg 674	AM	01/09/1999	Wed	0100	(JM4)
		Grupo 180					
13452.0	V05	//15651 rptg 674	AM	10/09/1999	Fri	0100	(JM4)
		Grupo 180					
13452.0	V05	//15651 rptg 674	AM	15/09/1999	Wed	0100	(JM4)
		Grupo 180					
13452.0	V05	Rptg 778 grupo	AM	17/09/1999	Fri	0100	(GH)
		121, //15651					
13452.0	V05	//15651 rptg 778	AM	22/09/1999	Wed	0100	(JM4)
		Grupo 121					
13452.0	V05	//15651 rptg 778	AM	24/09/1999	Fri	0100	(JM4)
		Grupo 121					
13465	E05	063/75 13038		05/09/1999	Sun	1800	(HFD)
		92464, //11072					
13471.0	M12	541x3 1 198 113	CW	03/09/1999	Fri	1850	(ANUK)
13481.0	M12	IP ID 941	CW	03/09/1999	Fri	1910	(ANUK)
13481.0	M12	941x3 1 6472 277	CW	10/09/1999	Fri	1906	(ANUK)
13481.0	M12	941x3 1 7382 299	CW	17/09/1999	Fri	1907	(ANUK)
13481.0	M12	941x3 1 3105 301	CW	24/09/1999	Fri	1907	(ANUK)
13484.0	M12	In progress	CW	28/09/1999	Tue	0649	(VM)
13540.0	M12	963x3 1 2469 141	CW	13/09/1999	Mon	1650	(ANUK)
		1710/14728					
13543.0	M12	963x3 1 6248 141	CW	08/09/1999	Wed	1820	(ANUK)
13543.0	M12	963x3 1 6248 141	CW	08/09/1999	Wed	1650	(ANUK)
13544.0	M12	963x3 1 3684 143	CW	23/09/1999	Thu	1650	(ANUK)
13544.0	M12	963x3 1 4971 139	CW	30/09/1999	Thu	1650	(ANUK)
13555.0	E05	//15732 rptg 400	AM	03/09/1999	Fri	1400	(JM4)

Frequency	Mode	Signal	Power	Date	Day	Time	Notes
13555.0	E05	Count 215 in progress	AM	12/09/1999	Sun	1427	(PR)
13555.0	E05	//15732 rptg 112	AM	17/09/1999	Fri	1400	(JM4)
		Count ?? weak					
13556.0	M42	00117 msg to HZW	CW	24/09/1999	Fri	2010	(BR)
13721.0	M10E	111x3 79599x3	CW	08/09/1999	Wed	1655	(ANUK)
		20x3					
13750.0		P7X w/data bursts	CW	01/09/1999	Wed	1330	(JM4)
		5LG					
13750.0		P7X w/data bursts	CW	01/09/1999	Wed	1400	(JM4)
		5LG					
13750.0		P7X w/data bursts	CW	01/09/1999	Wed	1430	(JM4)
		5LG					
13750.0		P7X w/data bursts	CW	01/09/1999	Wed	1500	(JM4)
		5LG					
13750.0		P7X on top of V13	CW	02/09/1999	Thu	1500	(JM4)
13750.0		P7X on top of V13	CW	02/09/1999	Thu	1330	(JM4)
13750.0		P7X on top of V13	CW	02/09/1999	Thu	1430	(JM4)
13750.0		P7X on top of V13	CW	02/09/1999	Thu	1400	(JM4)
13750.0		P7X on top of V13	CW	02/09/1999	Thu	1300	(JM4)
13750.0		P7X 5LG	CW	03/09/1999	Fri	1430	(JM4)
13750.0		P7X 5LG	CW	03/09/1999	Fri	1330	(JM4)
13750.0		P7X 5LG	CW	03/09/1999	Fri	1400	(JM4)
13750.0		P7X 5LG	CW	03/09/1999	Fri	1500	(JM4)
13750.0		P7X on top of V13	AM	04/09/1999	Sat	1330	(JM4)
13750.0		P7X on top of V13	CW	04/09/1999	Sat	1300	(JM4)
13750.0		P7X on top of V13	CW	04/09/1999	Sat	1400	(JM4)
13750.0		P7X on top of V13	CW	07/09/1999	Tue	1400	(JM4)
13750.0		P7X on top of V13	CW	07/09/1999	Tue	1330	(JM4)
13750.0		P7X on top of V13	CW	07/09/1999	Tue	1500	(JM4)
13750.0		P7X on top of V13	CW	07/09/1999	Tue	1300	(JM4)
13750.0		P7X on top of V13	CW	08/09/1999	Wed	1300	(JM4)
13750.0	P7X	Showed up with V13.	CW	01/09/1999	Wed	1500	(JM4)
13750.0	P7X	Six group transmission. V13 not heard.	CW	01/09/1999	Wed	1330	(JM4)
13750.0	P7X	Message very readable. Well trained CW operator.	CW	03/09/1999	Fri	1400	(JM4)
13750.0	P7X	2 data bursts.	CW	03/09/1999	Fri	1430	(JM4)
13750.0	P7X	V13 heard in background. Very weak.	CW	03/09/1999	Fri	1330	(JM4)
13750.0	P7X	2 data bursts.	CW	04/09/1999	Sat	1330	(JM4)
13750.0	P7X	2 data bursts.	CW	04/09/1999	Sat	1300	(JM4)
13750.0	P7X	On top of NSB, five H+00 and H+30	CW	07/09/1999	Tue	1300	(JM4)
13750.0	PX7	2 data bursts.	CW	01/09/1999	Wed	1400	(JM4)
13750.0	V13	w/P7X	AM	01/09/1999	Wed	1400	(JM4)
13750.0	V13	Showed up with	CW	01/09/1999	Wed	1400	(JM4)

		P7X.					
13750.0	V13	w/P7X	AM	01/09/1999	Wed	1500	(JM4)
13750.0	V13	Showed up with	CW	01/09/1999	Wed	1500	(JM4)
		P7X.					
13750.0	V13	w/P7X	AM	01/09/1999	Wed	1430	(JM4)
13750.0	V13	w/P7X running on	AM	02/09/1999	Thu	1430	(JM4)
		top					
13750.0	V13	w/P7X running on	AM	02/09/1999	Thu	1300	(JM4)
		top					
13750.0	V13	New Star YL/CC in	AM	02/09/1999	Thu	1105	(SD)
		progress 4fgs					
13750.0	V13	w/P7X running on	AM	02/09/1999	Thu	1400	(JM4)
		top					
13750.0	V13	w/P7X running on	AM	02/09/1999	Thu	1330	(JM4)
		top					
13750.0	V13	w/P7X running on	AM	02/09/1999	Thu	1500	(JM4)
		top					
13750.0	V13	Message very	CW	03/09/1999	Fri	1400	(JM4)
		readable. Well trained operator.					
13750.0	V13		CW	03/09/1999	Fri	1430	(JM4)
13750.0	V13	w/P7X running on	AM	03/09/1999	Fri	1500	(JM4)
		top					
13750.0	V13	w/P7X running on	AM	03/09/1999	Fri	1430	(JM4)
		top					
13750.0	V13	Barely heard.	CW	03/09/1999	Fri	1500	(JM4)
13750.0	V13	w/P7X running on	AM	03/09/1999	Fri	1400	(JM4)
		top					
13750.0	V13	w/P7X running on	AM	03/09/1999	Fri	1330	(JM4)
		top					
13750.0	V13	w/P7X	AM	04/09/1999	Sat	1400	(JM4)
13750.0	V13	w/P7X	AM	04/09/1999	Sat	1330	(JM4)
13750.0	V13	w/P7X	AM	04/09/1999	Sat	1300	(JM4)
13750.0	V13	w/P7X	AM	07/09/1999	Tue	1400	(JM4)
13750.0	V13	w/P7X	AM	07/09/1999	Tue	1500	(JM4)
13750.0	V13	w/P7X	AM	07/09/1999	Tue	1330	(JM4)
13750.0	V13	w/P7X	AM	07/09/1999	Tue	1300	(JM4)
13750.0	V13	w/P7X	AM	08/09/1999	Wed	1300	(JM4)
13750.0	V13		AM	10/09/1999	Fri	1400	(JM4)
13750.0	V13		AM	12/09/1999	Sun	1400	(JM4)
13750.0	V13		AM	13/09/1999	Mon	1400	(JM4)
13750.0	V13	weak	AM	15/09/1999	Wed	1400	(JM4)
13750.0	V13	very weak	AM	17/09/1999	Fri	1400	(JM4)
13750.0	V13	extremely weak	AM	28/09/1999	Tue	1300	(JM4)
13906.0	E05	//14577//15732//1	AM	01/09/1999	Wed	1200	(JM4)
		6198 rptg 637 Count 215					
14421.0	E05	YL/EE 591 test	USB	10/09/1999	Fri	0200	(JM4)
		call up.					
14421.0	E05	rptg 591 test	AM	11/09/1999	Sat	0207	(JM4)

		broadcast					
14421.0	V05	//12300.5 rptg 709 Grupo 220	AM	07/09/1999 Tue	0300	(JM4)	
14421.0	V05	//12300.5 rptg 709 Grupo 220	AM	11/09/1999 Sat	0300	(JM4)	
14421.0	V05	//12300.5 rptg 709 Grupo 220	AM	14/09/1999 Tue	0300	(JM4)	
14421.0	V05	Rptg 709 grupo 220; rpt at :28, //12300.5	AM	18/09/1999 Sat	0300	(GH)	
14421.0	V05	//12300.5 rptg 709 Grupo 220	AM	18/09/1999 Sat	0300	(JM4)	
14421.0	V05	//4640//5046//123 AM 00.5 rptg 709 Grupo 220		21/09/1999 Tue	0300	(JM4)	
14425	E05	477		08/09/1999 Wed	2100	(HFD)	
14432.0	E05	Rptg 263; count poss. 127, //12229	USB	06/09/1999 Mon	2200	(GH)	
14434.0	M42	00178 msg to KRN	CW	24/09/1999 Fri	1742	(BR)	
14448	E05	466/122 51929 65389..., //13450		03/09/1999 Fri	1700	(HFD)	
14448.0	E05	//13450 in progress	AM	12/09/1999 Sun	1700	(JM4)	
14487.0	E03	Linc Poacher, CYP; id 62435.	USB	01/06/1999 Tue	1200	(AB)	
14487.0	E03	//15682//16084 rptg 03586	USB	01/09/1999 Wed	1400	(JM4)	
14487.0	E03	//15682//16084 in progress	USB	01/09/1999 Wed	1300	(JM4)	
14487.0	E03	//11545//16084 weak	USB	01/09/1999 Wed	1500	(JM4)	
14487.0	E03	//15682//16084 rptg 44731	USB	02/09/1999 Thu	1400	(JM4)	
14487.0	E03	//15682//16084 rptg 06750	USB	03/09/1999 Fri	1400	(JM4)	
14487.0	E03	//15682//16084 rptg 21855	USB	04/09/1999 Sat	1300	(JM4)	
14487.0	E03	//11545 rptg 05292	USB	04/09/1999 Sat	1400	(JM4)	
14487.0	E03	Lincolnshire Poacher.	USB	06/09/1999 Mon	1601	(MV)	
14487.0	E03	//15682//16084 rptg 21956	USB	07/09/1999 Tue	1300	(JM4)	
14487.0	E03	//15682//16084 rptg 21956	USB	08/09/1999 Wed	1300	(JM4)	
14487.0	E03	//15682//16084 rptg 06750	USB	10/09/1999 Fri	1400	(JM4)	
14487.0	E03	//11545//15682 rptg 40922	USB	12/09/1999 Sun	1400	(JM4)	
14487.0	E03	//10426//12603	USB	13/09/1999 Mon	1400	(JM4)	

		rptg 20105					
14487.0	E03	//16084 weak	USB	15/09/1999	Wed	1500	(JM4)
14487.0	E03	//15682//16084	USB	15/09/1999	Wed	1400	(JM4)
		rptg 10233					
14487.0	E03	//15682//16084	USB	17/09/1999	Fri	1400	(JM4)
		rptg 85673					
14487.0	E03	//15682//16084	USB	20/09/1999	Mon	1300	(JM4)
		rptg 30660					
14487.0	E03	//10426//12603	USB	20/09/1999	Mon	1400	(JM4)
		rptg 78715					
14487.0	E03	id 30660 (60759 -	USB	21/09/1999	Tue	1300	(GG)
14487.0	E03	//15682//16084	USB	21/09/1999	Tue	1300	(JM4)
		rptg 30660					
14487.0	E03	rptg 87394	USB	21/09/1999	Tue	1400	(JM4)
14487.0	E03	id 85673 (62560 -	USB	21/09/1999	Tue	1200	(GG)
14487.0	E03	//15682//16084	USB	22/09/1999	Wed	1400	(JM4)
		rptg 10233					
14487.0	E03	//10426//12603	USB	27/09/1999	Mon	1400	(JM4)
		rptg 78715					
14487.0	E03	id 88213	USB	27/09/1999	Mon	1300	(GG)
14487.0	E03	id 85673	USB	27/09/1999	Mon	1200	(GG)
14487.0	E03	id 78715	USB	27/09/1999	Mon	1400	(GG)
14487.0	E03	//15682//16084	USB	28/09/1999	Tue	1300	(JM4)
		rptg 88213					
14487.0	E03	id 88213	USB	28/09/1999	Tue	1300	(GG)
14487.0	E03	//11545//16084	USB	29/09/1999	Wed	1500	(JM4)
		rptg 87394					
14487.0	E03	//15682//16084	USB	29/09/1999	Wed	1400	(JM4)
		rptg 10233					
14487.0	E04	id 85673	USB	24/09/1999	Fri	1200	(GG)
14487.0	E10	id 88213	USB	29/09/1999	Wed	1300	(GG)
14540.0	E17	down w/547 547	AM	02/09/1999	Thu	0100	(JM4)
		102 102 00000					
14540.0	E17	//10863!! rptg	AM	02/09/1999	Thu	0200	(JM4)
		398 then 547 547 102 102					
14572.0	M12	IP ID 541	CW	03/09/1999	Fri	1840	(ANUK)
14577.0	E05	//13906//15732//1	AM	01/09/1999	Wed	1200	(JM4)
		6198 rptg 637 Count 215					
14580.0	E05	637 Count 215	AM	01/09/1999	Wed	1200	(ANUK)
14600	E05	393/133 57739		06/09/1999	Mon	2000	(HFD)
		03712..., //12197					
14610.0	E06	325-976/41	AM	04/09/1999	Sat	1500	(JE)
14610.0	E06	325-409/121	AM	11/09/1999	Sat	1500	(JE)
14610.0	E06	325-897/40	AM	18/09/1999	Sat	1500	(JE)
14610.0	E06	325-640/132	AM	25/09/1999	Sat	1500	(JE)
14649.0	M22	//10356//18482	CW	01/09/1999	Wed	0000	(JM4)
		4XZ in tfc					
14649.0	M22	//10356 4XZ in	CW	02/09/1999	Thu	0000	(JM4)

14649.0	M22	tfc //10356 4XZ in	CW	04/09/1999 Sat	0100	(JM4)
14649.0	M22	tfc //10356 4XZ in	CW	06/09/1999 Mon	0100	(JM4)
14649.0	M22	tfc //10356 4XZ in	CW	07/09/1999 Tue	0200	(JM4)
14649.0	M22	tfc //10356 4XZ	CW	09/09/1999 Thu	0100	(JM4)
14649.0	M22	marker //10356 4XZ	CW	10/09/1999 Fri	0155	(JM4)
14649.0	M22	marker //10356 4XZ in	CW	11/09/1999 Sat	0100	(JM4)
14649.0	M22	tfc //10356 4XZ in	CW	15/09/1999 Wed	0100	(JM4)
14649.0	M22	tfc //10356 4XZ	CW	20/09/1999 Mon	0100	(JM4)
14649.0	M22	marker //10356 4XZ in	CW	22/09/1999 Wed	0115	(JM4)
14649.0	M22	tfc 4XZ marker	CW	24/09/1999 Fri	0115	(JM4)
14649.0	M22	//10356 4XZ	CW	25/09/1999 Sat	2345	(JM4)
14649.0	M22	marker //18482 4XZ	CW	27/09/1999 Mon	0150	(JM4)
14720.0	M42	marker FAPSI, RUS;	LSB	01/06/1999 Tue	1454	(AB)
14728.0	M12	6-tone selcal + unreadable	rtty.	08/09/1999 Wed	1710	(ANUK)
14728.0	M12	963x3 1 6248 141	CW	08/09/1999 Wed	1840	(ANUK)
14728.0	M14	963x3 1 6248 141	CW	08/09/1999 Wed	1840	(ANUK)
14728.0	M14	325x3 00000	CW	03/09/1999 Fri	1700	(ANUK)
14731.0	BPA	00116	CW	24/09/1999 Fri	1515	(BR)
14739.0	E05	//16198 rptg 179	AM	04/09/1999 Sat	1300	(JM4)
14739.0	E05	Count 215 //16198 rptg 179	AM	07/09/1999 Tue	1300	(JM4)
14739.0	E05	Count 215 //16198 rptg 179	AM	21/09/1999 Tue	1300	(JM4)
14739.0	E05	Count 215 //16198 rptg 715	AM	28/09/1999 Tue	1300	(JM4)
14785.0	M12	Count 215 134x3 1/ ?	CW	28/09/1999 Tue	0700	(JE)
14834.0	XPH	too fast 648x3 1 02658	CW	03/09/1999 Fri	0640	(VM)
14834.0	XPH	00147 5fg High Pitched	AM	17/09/1999 Fri	0640	(SD)
14835.0	XPH	Polytone in progress 648x3 1 ???? ???	AM	03/09/1999 Fri	0640	(ANUK)
14843.0	M42	Ap 135 Groups 00127 msg to JMS	CW	24/09/1999 Fri	2230	(BR)
14931	M16	vvv 8BY 958/532		03/09/1999 Fri	1640	(HFD)

14931.0	M16	//10248//12075 8BY w/tfc list	CW	04/09/1999 Sat	0155	(JM4)
14931.0	M16	//10248//12075 8BY 395/973/237/371/164/914	CW	06/09/1999 Mon	0140	(JM4)
14931.0	M16	//10248//12075 8BY 594/195/914/862/055/467	CW	07/09/1999 Tue	0240	(JM4)
14931.0	M16	//10248//12075 8BY 270/	CW	09/09/1999 Thu	0140	(JM4)
14931.0	M16	//10248//12075 8BY 532/	CW	10/09/1999 Fri	0150	(JM4)
14931.0	M16	//10248//12075 8BY 058/311	CW	11/09/1999 Sat	0150	(JM4)
14931.0	M16	//10248//12075 8BY weak	CW	14/09/1999 Tue	0140	(JM4)
14931.0	M16	//10248//12075 8BY tfc 116/687/161/391	CW	20/09/1999 Mon	0140	(JM4)
14931.0	M16	//10248//12075 8BY 432/077	CW	21/09/1999 Tue	0240	(JM4)
14931.0	M16	//10248//14931 8BY tfc 532/476	CW	22/09/1999 Wed	0340	(JM4)
14931.0	M16	//10248//12075 8BY 601/353	CW	26/09/1999 Sun	0145	(JM4)
14931.0	M16	//10248//12075 8BY 219/314	CW	27/09/1999 Mon	0155	(JM4)
14932.0	M12	941x3 1 6472 277	CW	10/09/1999 Fri	1840	(ANUK)
14933.0	M12	IP ID 941	CW	03/09/1999 Fri	1851	(ANUK)
14933.0	M12	941x3 1 7328 299	CW	17/09/1999 Fri	1840	(ANUK)
14933.0	M12	941x3 1 3105 301	CW	24/09/1999 Fri	1840	(ANUK)
14941.0	M42	00139 msg to WNY	CW	24/09/1999 Fri	1810	(BR)
14980.0	RAU	00070, weak sig.	CW	24/09/1999 Fri	1310	(BR)
15388.0	V13		AM	02/09/1999 Thu	1400	(JM4)
15388.0	V13		AM	12/09/1999 Sun	1400	(JM4)
15651.0	V05	//13452 rptg 674 Grupo 180	AM	01/09/1999 Wed	0100	(JM4)
15651.0	V05	//13452 rptg 674 Grupo 180	AM	10/09/1999 Fri	0100	(JM4)
15651.0	V05	//13452 rptg 674 Grupo 180	AM	15/09/1999 Wed	0100	(JM4)
15651.0	V05	Rptg 778 grupo 121, //13452	AM	17/09/1999 Fri	0100	(GH)
15651.0	V05	Spanish Language Counting Station	AM	22/09/1999 Wed	0100	(BM)
15651.0	V05	//13452 rptg 778 Grupo 121	AM	22/09/1999 Wed	0100	(JM4)
15651.0	V05	Spanish Language Counting Station	AM	22/09/1999 Wed	0100	(BM)
15651.0	V05	Spanish Language Counting Station, a repeat of 9/22 transmission	AM	24/09/1999 Fri	0100	(BM)

15651.0	V05	//13452 rptg 778 AM	24/09/1999 Fri	0100	(JM4)
		Grupo 121			
15651.0	V05	Spanish Language AM	24/09/1999 Fri	0100	(BM)
		Counting Station, a repeat of 9/22 transmission			
15682	E03	40922, //13375, 11545	03/09/1999 Fri	1900	(HFD)
15682.0	E03	Linc Poacher, USB	01/06/1999 Tue	1200	(AB)
		CYP; id 62435 //14487.			
15682.0	E03	//14487//16084 in USB	01/09/1999 Wed	1300	(JM4)
		progress			
15682.0	E03	//14487//16084 USB	01/09/1999 Wed	1400	(JM4)
		rptg 03586			
15682.0	E03	//14487//16084 USB	02/09/1999 Thu	1400	(JM4)
		rptg 44731			
15682.0	E03	//16084 weak USB	02/09/1999 Thu	1200	(JM4)
15682.0	E03	//14487//16084 USB	03/09/1999 Fri	1400	(JM4)
		rptg 06750			
15682.0	E03	//14487//16084 USB	04/09/1999 Sat	1300	(JM4)
		rptg 21855			
15682.0	E03	//14487//16084 USB	07/09/1999 Tue	1300	(JM4)
		rptg 21956			
15682.0	E03	//13375 extremely weak USB	07/09/1999 Tue	1600	(JM4)
15682.0	E03	//14487//16084 USB	10/09/1999 Fri	1400	(JM4)
		rptg 06750			
15682.0	E03	//11545//14487 USB	12/09/1999 Sun	1400	(JM4)
		rptg 40922			
15682.0	E03	//11545//13375 USB	13/09/1999 Mon	1500	(JM4)
		rptg 4092_ weak			
15682.0	E03	//13375 rptg USB	14/09/1999 Tue	1600	(JM4)
		40922 audio cutting in/out			
15682.0	E03	//14487//16084 USB	15/09/1999 Wed	1400	(JM4)
		rptg 10233			
15682.0	E03	//14487//16084 USB	17/09/1999 Fri	1400	(JM4)
		rptg 85673			
15682.0	E03	//14487//16084 USB	20/09/1999 Mon	1300	(JM4)
		rptg 30660			
15682.0	E03	id 85673 (62560 - USB	21/09/1999 Tue	1200	(GG)
15682.0	E03	id 30660 (60759 - USB	21/09/1999 Tue	1300	(GG)
15682.0	E03	//14487//16084 USB	21/09/1999 Tue	1300	(JM4)
		rptg 30660			
15682.0	E03	//14487//16084 USB	22/09/1999 Wed	1400	(JM4)
		rptg 10233			
15682.0	E03	id 85673 USB	27/09/1999 Mon	1200	(GG)
15682.0	E03	id 88213 USB	27/09/1999 Mon	1300	(GG)
15682.0	E03	//14487//16084 USB	28/09/1999 Tue	1300	(JM4)
		rptg 88213			
15682.0	E03	id 88213 USB	28/09/1999 Tue	1300	(GG)

15682.0	E03	//14487//16084 rptg 10233	USB	29/09/1999 Wed	1400	(JM4)
15682.0	E10	id 88213	USB	29/09/1999 Wed	1300	(GG)
15684.0	E03	//14487//16084 rptg 21956	USB	08/09/1999 Wed	1300	(JM4)
15732.0	E05	//13906//14577//1 AM 6198 rptg 637 Count 215		01/09/1999 Wed	1200	(JM4)
15732.0	E05	//13555 rptg 400 AM Count 215		03/09/1999 Fri	1400	(JM4)
15732.0	E05	//13555 rptg 112 AM Count ?? weak		17/09/1999 Fri	1400	(JM4)
15822	E05	893/125 50659 03867, //10423		10/09/1999 Fri	1600	(HFD)
15980.0	E10a	EZI2	USB	02/09/1999 Thu	1330	(GG)
15980.0	E10a	EZI2	USB	27/09/1999 Mon	1330	(GG)
16084	E03	18611, //13375, 11545		03/09/1999 Fri	1700	(HFD)
16084	E03	18611, //13375, 11545		11/09/1999 Sat	1800	(HFD)
16084.0	E03	//14487//15682 rptg 03586	USB	01/09/1999 Wed	1400	(JM4)
16084.0	E03	//14487//15682 in progress	USB	01/09/1999 Wed	1300	(JM4)
16084.0	E03	//11545//14487 weak	USB	01/09/1999 Wed	1500	(JM4)
16084.0	E03	//14487//15682 rptg 44731	USB	02/09/1999 Thu	1400	(JM4)
16084.0	E03	//15682 weak	USB	02/09/1999 Thu	1200	(JM4)
16084.0	E03	//14487//15682 rptg 06750	USB	03/09/1999 Fri	1400	(JM4)
16084.0	E03	//14487//15682 rptg 21855	USB	04/09/1999 Sat	1300	(JM4)
16084.0	E03	//14487//15682 rptg 21956	USB	07/09/1999 Tue	1300	(JM4)
16084.0	E03	//14487//15682 rptg 21956	USB	08/09/1999 Wed	1300	(JM4)
16084.0	E03	//14487//15682 rptg 06750	USB	10/09/1999 Fri	1400	(JM4)
16084.0	E03	//14487 weak	USB	15/09/1999 Wed	1500	(JM4)
16084.0	E03	//14487//15682 rptg 10233	USB	15/09/1999 Wed	1400	(JM4)
16084.0	E03	//14487//15682 rptg 85673	USB	17/09/1999 Fri	1400	(JM4)
16084.0	E03	//14487//15682 rptg 30660	USB	20/09/1999 Mon	1300	(JM4)
16084.0	E03	//14487//15682 rptg 30660	USB	21/09/1999 Tue	1300	(JM4)
16084.0	E03	id 85673 (62560 -	USB	21/09/1999 Tue	1200	(GG)

16084.0	E03	id 30660 (60759 -	USB	21/09/1999	Tue	1300	(GG)
16084.0	E03	//14487//15682	USB	22/09/1999	Wed	1400	(JM4)
		rptg 10233					
16084.0	E03	id 85673	USB	27/09/1999	Mon	1200	(GG)
16084.0	E03	id 88213	USB	27/09/1999	Mon	1300	(GG)
16084.0	E03	id 88213	USB	28/09/1999	Tue	1300	(GG)
16084.0	E03	//14487//15682	USB	28/09/1999	Tue	1300	(JM4)
		rptg 88213					
16084.0	E03	//14487//15682	USB	29/09/1999	Wed	1400	(JM4)
		rptg 10233					
16084.0	E03	//11545//14487	USB	29/09/1999	Wed	1500	(JM4)
		rptg 87394					
16084.0	E04	id 85673	USB	24/09/1999	Fri	1200	(GG)
16084.0	E05	YL/EE 5fig x 2.	USB	24/09/1999	Fri	1730	(BR)
16084.0	E10	id 88213	USB	29/09/1999	Wed	1300	(GG)
16198.0	E05	//14739 rptg 179	AM	04/09/1999	Sat	1300	(JM4)
		Count 215					
16198.0	E05	//14739 rptg 179	AM	07/09/1999	Tue	1300	(JM4)
		Count 215					
16198.0	E05	//14739 rptg 715	AM	28/09/1999	Tue	1300	(JM4)
		Count 215					
16198.0	V05	//13906//14577//1	AM	01/09/1999	Wed	1200	(JM4)
		5732 rptg 637 Count 215					
16198.0	V05	//14739 rptg 179	AM	21/09/1999	Tue	1300	(JM4)
		Count 215					
16218.0	M42	00117 msg to HZW	CW	24/09/1999	Fri	2000	(BR)
17050.0	M22	//10046 4XZ	CW	01/09/1999	Wed	0000	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	02/09/1999	Thu	0000	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	04/09/1999	Sat	0100	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	06/09/1999	Mon	0100	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	07/09/1999	Tue	0200	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	13/09/1999	Mon	0045	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	20/09/1999	Mon	0100	(JM4)
		marker					
17050.0	M22	//10046 4XZ in	CW	21/09/1999	Tue	0215	(JM4)
		tfc					
17050.0	M22	//10046 4XZ	CW	25/09/1999	Sat	2345	(JM4)
		marker					
17050.0	M22	//10046 4XZ	CW	27/09/1999	Mon	0150	(JM4)
		marker					
17050.0	M22	4XZ marker	CW	29/09/1999	Wed	1500	(JM4)
17410	E10	EZI		11/09/1999	Sat	0930	(HFD)

17410.0	E10	EZI weak	USB	02/09/1999	Thu	1530	(GG)
17410.0	E10	EZI 93 ECEFT	USB	09/09/1999	Thu	0830	(GG)
17410.0	E10	EZI 101 HFWGV	USB	15/09/1999	Wed	0930	(GG)
17410.0	E10	EZI 95 TKCDU	USB	16/09/1999	Thu	0930	(GG)
17410.0	E10	EZI 95 TKCDU	USB	17/09/1999	Fri	0930	(GG)
17410.0	E10	EZI 95 TKCDU	USB	20/09/1999	Mon	0930	(GG)
17410.0	E10a	EZI2	USB	02/09/1999	Thu	1330	(GG)
17410.0	E10a	EZI2	USB	27/09/1999	Mon	1330	(GG)
17410.0	E10a	EZI2	USB	27/09/1999	Mon	1230	(GG)
17416.0	M42	00178 msg to KRN	CW	24/09/1999	Fri	1735	(BR)
17420.0	X6		AM	16/09/1999	Thu	1500	(JE)
17499.0	E03a	//22108 rptg 80636	USB	02/09/1999	Thu	0000	(JM4)
17499.0	E03a	//22108 in progress	USB	08/09/1999	Wed	2300	(JM4)
17499.0	E03a	//22108 rptg 80636	USB	09/09/1999	Thu	0000	(JM4)
17499.0	E03a	in progress	USB	21/09/1999	Tue	1300	(JM4)
17499.0	E04	id 22367	USB	16/09/1999	Thu	1300	(GG)
17499.0	E04	id 22367	USB	17/09/1999	Fri	1200	(GG)
17499.0	E04	id 00337 (90309 -	USB	20/09/1999	Mon	1300	(GG)
17499.0	E04	id 00337 (90309 -	USB	21/09/1999	Tue	1200	(GG)
17499.0	E04	Cherry Ripe YL/EE id 22367 //24644	USB	21/09/1999	Tue	2200	(SD)
17499.0	E04	id 82509 (14604 -	USB	21/09/1999	Tue	1300	(GG)
17499.0	E04	Cherry Ripe YL/EE id 26956 //24644 very weak	USB	22/09/1999	Wed	2200	(SD)
17519.0	M42	FAPSI. 75bd Msgs to RXC81 on link 30088.	RTTY	22/09/1999	Wed	1410	(AB)
17519.0	RCV	30088, weak sig, 2-way with other stn.	CW	24/09/1999	Fri	1410	(BR)
17538.0	M12	258x3 1 3434 50	CW	24/09/1999	Fri	0600	(VM)
18000.0	E15	BEC QRU	USB	06/09/1999	Mon	1100	(ANUK)
18000.0	E15	BEC QRU	USB	13/09/1999	Mon	1100	(ANUK)
18240	E05	Counting station.	AM	19/09/1999	Sun	0926	(DS)
18373.0	M42	FAPSI. 75bd Msgs to UDZ12 on link 00054.	RTTY	22/09/1999	Wed	1500	(AB)
18373.0	M42	00054, weak sig, 2-way with other stn. Msg to UDZ21	CW	24/09/1999	Fri	1500	(BR)
18482.0	M22	//10356//14649 4XZ in tfc	CW	01/09/1999	Wed	0000	(JM4)
18482.0	M22	//14649 4XZ marker	CW	27/09/1999	Mon	0150	(JM4)
18482.0	M22	4XZ marker	CW	29/09/1999	Wed	1500	(JM4)
19088.0	M42	00139 msg to WNY	CW	24/09/1999	Fri	1800	(BR)
19715	E10	EZI		05/09/1999	Sun	0930	(HFD)
19715.0	E10	EZI 33 MRJYL	USB	07/09/1999	Tue	0930	(GG)
19715.0	E10	EZI 93 ECEFT	USB	09/09/1999	Thu	0830	(GG)

19715.0	E10	EZI 101 HFWGV	USB	15/09/1999	Wed	0930	(GG)
19715.0	E10	EZI 95 TKCDU	USB	16/09/1999	Thu	0930	(GG)
19715.0	E10	EZI 95 TKCDU	USB	20/09/1999	Mon	0930	(GG)
19884.0	E03a	//22108 in progress	USB	06/09/1999	Mon	0100	(JM4)
19884.0	E03a	//22108 rptg 26956	USB	20/09/1999	Mon	0100	(JM4)
20474.0	E04	id 54860	USB	15/09/1999	Wed	1000	(GG)
21866.0	E03a	weak	USB	01/09/1999	Wed	0100	(JM4)
21866.0	E03a	rptg 36974	USB	02/09/1999	Thu	0100	(JM4)
21866.0	E03a	extremely weak	USB	09/09/1999	Thu	0100	(JM4)
21866.0	E03a	rptg 73287	USB	10/09/1999	Fri	0100	(JM4)
21866.0	E03a	rptg 07958	USB	13/09/1999	Mon	0100	(JM4)
21866.0	E03a	rptg 62405	USB	15/09/1999	Wed	0100	(JM4)
21866.0	E03a	unreadable	USB	23/09/1999	Thu	0100	(JM4)
21866.0	E03a	extremely weak	USB	24/09/1999	Fri	0100	(JM4)
22108.0	E03	Linc. Poacher in progress. //14487.	USB	22/09/1999	Wed	1321	(AB)
22108.0	E03a	rptg 27660	USB	01/09/1999	Wed	0000	(JM4)
22108.0	E03a	in progress	USB	01/09/1999	Wed	1300	(JM4)
22108.0	E03a	weak	USB	02/09/1999	Thu	1300	(JM4)
22108.0	E03a	//17499 rptg 80636	USB	02/09/1999	Thu	0000	(JM4)
22108.0	E03a	//19884 in progress	USB	06/09/1999	Mon	0100	(JM4)
22108.0	E03a	extremely weak	USB	07/09/1999	Tue	1300	(JM4)
22108.0	E03a	//17499 in progress	USB	08/09/1999	Wed	2300	(JM4)
22108.0	E03a	//17499 rptg 80636	USB	09/09/1999	Thu	0000	(JM4)
22108.0	E03a	rptg 36974	USB	10/09/1999	Fri	0000	(JM4)
22108.0	E03a	in progress	USB	13/09/1999	Mon	0000	(JM4)
22108.0	E03a	rptg 2236_	USB	20/09/1999	Mon	0000	(JM4)
22108.0	E03a	//19884 rptg 26956	USB	20/09/1999	Mon	0100	(JM4)
22108.0	E03a	extremely weak	USB	21/09/1999	Tue	2300	(JM4)
22108.0	E03a	extremely weak	USB	22/09/1999	Wed	0000	(JM4)
22108.0	E03a	unreadable	USB	23/09/1999	Thu	0000	(JM4)
22108.0	E03a	extremely weak	USB	23/09/1999	Thu	2300	(JM4)
22108.0	E03a	extremely weak	USB	24/09/1999	Fri	0000	(JM4)
22108.0	E03a	weak	USB	30/09/1999	Thu	2300	(JM4)
22108.0	E04	CR very weak, tune only	USB	16/09/1999	Thu	0000	(GH)
22108.0	E04	id 82509 (14604 -	USB	21/09/1999	Tue	1300	(GG)
22108.0	E04	id 82509	USB	28/09/1999	Tue	1300	(GG)
22804.0	E04	CR very weak, tune only	USB	12/09/1999	Sun	2300	(GH)
23461.0	E04	id 54860	USB	15/09/1999	Wed	1000	(GG)

23461.0	E04	62405	USB	20/09/1999	Mon	1100	(ANUK)
23461.0	E04	id 54860	USB	21/09/1999	Tue	1100	(GG)
23461.0	E04	id 00337 (90309 -	USB	21/09/1999	Tue	1200	(GG)
23461.0	E04	id 22367	USB	24/09/1999	Fri	1200	(GG)
23461.0	E04	id 54860	USB	27/09/1999	Mon	1200	(GG)
23461.0	E04	id 00337	USB	27/09/1999	Mon	1300	(GG)
23461.0	E04	id 54860	USB	28/09/1999	Tue	1100	(GG)
24644.0	E03a	in progress	USB	30/09/1999	Thu	2200	(JM4)
24644.0	E04		USB	20/09/1999	Mon	2209	(IJ)
24644.0	E04	Cherry Ripe YL/EE	USB	21/09/1999	Tue	2200	(SD)
		id 22367 //17499					
24644.0	E04	Cherry Ripe YL/EE	USB	22/09/1999	Wed	2200	(SD)
		id 26956 very weak //17499					
24664.0	E04	Id 22367 //17499	USB	21/09/1999	Tue	2200	(SD)

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